# **SERVICE MANUAL**

# DA-4 CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KV-27HS420	RM-Y197	US	SCC-S66P-A
KV-27HS420	RM-Y197	CANADA	SCC-S70N-A
KV-29DRC420	RM-Y197	LATIN NORTH	SCC-S71L-A
KV-29DRC420	RM-Y197	LATIN SOUTH	SCC-S71M-A
KV-30HS420	RM-Y197	US	SCC-S66Q-A
KV-30HS420	RM-Y197	CANADA	SCC-S70P-A
KV-30HS420	RM-Y197	HAWAII	SCC-S69H-A
KV-32HS420	RM-Y197	US	SCC-S66R-A
KV-32HS420	RM-Y197	CANADA	SCC-S70Q-A
KV-34HS420	RM-Y197	US	SCC-S66S-A
KV-34HS420	RM-Y197	CANADA	SCC-S70R-A
KV-36HS420	RM-Y197	US	SCC-S66T-A
KV-36HS420	RM-Y197	CANADA	SCC-S70S-A
KV-36HS420	RM-Y197	HAWAII	SCC-S69J-A

This manual is for units starting with the following S/N's:

4,000,001 to 4,499,999 8,000,001 to 8,499,999 9,000,001 to 9,499,999

ORIGINAL MANUAL ISSUE DATE: 5/2004

#### **UPDATED ITEM**

	REVISION DATE	SUBJECT
	5/2004	No revisions or updates are applicable at this time.
	11/2004	Reissue entire manual.
	12/2004 Corrected Self-Diagnostic Circuit Diagram - Replaced Page 9	
7/2005 Added Serial Number range to Front Cover and History Information pages		Added Serial Number range to Front Cover and History Information pages
	Corrected instructions for 2-1. Beam Landing - Replaced Page 22	
	Corrected Block Diagram for HS Signal Flow - Replaced Page 62	
	Corrected DZ Board Schematic Diagram (Page 1 of 2) - Replaced Page 65	
		Corrected PN for AY Board for 36" model in Section 6: Exploded Views - Replaced Page 102
		Corrected PN for AY Board for 36" model in Section 7: Electrical Parts List - Replaced Page 120 & 121

TRINITRON® COLOR TELEVISION





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KV-30HS420	RM-Y197	US	SCC-S66Q-A	
KV-30HS420	RM-Y197	CANADA	SCC-S70P-A	
KV-30HS420	RM-Y197	HAWAII	SCC-S69H-A	
KV-32HS420	RM-Y197	US	SCC-S66R-A	
KV-32HS420	RM-Y197	CANADA	SCC-S70Q-A	
KV-34HS420	RM-Y197	US	SCC-S66S-A	
KV-34HS420	RM-Y197	CANADA	SCC-S70R-A	
KV-36HS420	RM-Y197	US	SCC-S66T-A	
KV-36HS420	RM-Y197	CANADA	SCC-S70S-A	
KV-36HS420	RM-Y197	HAWAII	SCC-S69J-A	

This manual is for units starting with the following S/N's:

4,000,001 to 4,499,999 8,000,001 to 8,499,999 9,000,001 to 9,499,999





KV-30HS420

TRINITRON® COLOR TELEVISION



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### **SPECIFICATIONS**

	KV-29DRC420	KV-27HS420	KV-30HS420	KV-32HS420	KV-34HS420	KV-36HS420
Power Requirements	220V, 50-60Hz			120V, 60Hz		
Number of Inputs/Outputs						
Video 1)	4			4		
S Video 2)	3			3		
Y,PB, PR 3)	2			2		
Audio 4)	7			7		
Audio Out 5)	1			1		
Monitor Out	1			1		
Control-S (In/Out)	YES			YES		
Memory Stick				NO		
Speaker Output (W)	10W x 2	10W x 2	10W x 2	10W x 2	10W	/ x 2
Power Consumption (W)						
In Use (Max)				240W		
In Standby	1W			1W		
Dimensions (W x H x D)						
	784 x 601.5 x 520 mm			898 x 698 x 598 mm	994 x 654 x 604 mm	994 x 776.5 x 634 mm
	30 <sup>7/8</sup> x 23 <sup>5/8</sup> x 20 <sup>1/2</sup> in	30 " x 23 5/8 x 20 1/2 in	35 <sup>3/8</sup> x 23 <sup>3/4</sup> x 22 <sup>1/4</sup> in	35 <sup>3/8</sup> x 27 <sup>1/2</sup> x 23 <sup>1/2</sup> in	39 <sup>1/8</sup> x 25 <sup>3/4</sup> x 23 <sup>3/4</sup> in	39 <sup>1/8</sup> x 30 <sup>5/8</sup> x 25 in
Mass						
kg		50.2 kg	68 kg	74.8 kg	88 kg	104.3 kg
lbs	111 lbs	111 lbs	150 lbs	165 lbs	194 lbs	230.0 lbs

- 2) Y: 1 Vp-p 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
- Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative P<sub>B</sub>: 0.7 Vp-p, 75 ohms
- P<sub>p</sub>: 0.7 Vp-p, 75 ohms
- 4) 500 m/ms (100% modulation), Impedance: 47 kilohms
  5) More than 408 m/rms at the maximum volume setting (variable)
  More than 408 m/rms (fix); Impedance (output): 2 kilohms

#### **TruSurround** by SRS (1)8

TruSurround is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and in select foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents. Purchase of this product does not convey the right to sell recordings made with the TruSurround technology.

#### ( ) SRS (SOUND RETRIEVAL SYSTEM)

The SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol ( ) are registered trademarks of SRS Labs, Inc. BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

#### **Television system**

American TV standard, NTSC

#### Channel coverage

VHF: 2-13/ UHF: 14-69/ CATV: 1-125

#### Picture tube

FD Trinitron® tube

#### Visible screen size

27-inch picture measured diagonally (KV-27HS420/29DRC420 Only)

30-inch picture measured diagonally (KV-30HS420 Only)

32-inch picture measured diagonally (KV-32HS420 Only)

34-inch picture measured diagonally (KV-34HS420 Only)

36-inch picture measured diagonally (KV-36HS420 Only)

#### Actual screen size

29-inch measured diagonally (KV-27HS420/29DRC420 Only)

32-inch measured diagonally (KV-30HS420 Only)

34-inch measured diagonally (KV-32HS420 Only)

36-inch measured diagonally (KV-34 HS420 Only)

38-inch measured diagonally (KV-36HS420 Only)

#### **Antenna**

75 ohm external terminal for VHF/UHF

#### **Supplied Accessories**

Remote Commander RM-Y197 Two Size AA (R6) Batteries

#### **Optional Accessories**

AV Cable: VMC-810/820/830 HG Audio Cable: RKC-515HG

Component Video Cable: VMC-10/30 HG

TV Stand: SU-27HX1 (KV-27HS420/29DRC420 Only)

TV Stand: SU-30HX1 (KV-30HS420 Only) TV Stand: SU-32HX1 (KV-32HS420 Only) TV Stand: SU-34HX1 (KV-34HS420 Only) TV Stand: SU-36HX1 (KV-36HS420 Only)

#### **WARNINGS AND CAUTIONS**

#### **CAUTION**

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

### **WARNING!!**

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



Components identified by shading and  $\triangle$  mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

#### ATTENTION!!

Apres avoir deconnecte le cap de l'anode, court-circuiter l'anode du tube cathodique et celui de l'anode du cap au chassis metallique de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'eviter tout risque d'electrocution provenant d'un chássis sous tension, un transformateur d'isolement doit etre utilisé lors de tout dépannage. Le chássis de ce récepteur est directement raccordé à l'alimentation du secteur.



Les composants identifies par une trame et par une marque  $\triangle$  sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

#### **SAFETY CHECK-OUT**

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- 8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

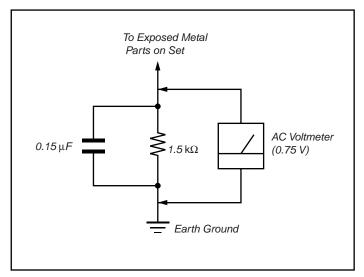


Figure A. Using an AC voltmeter to check AC leakage.

#### Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- A battery-operated AC milliampmeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

#### How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt troublelight (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

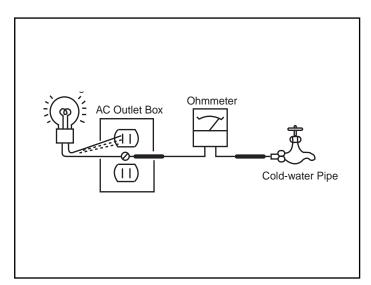


Figure B. Checking for earth ground.

### **SELF-DIAGNOSTIC FUNCTION**



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

#### **Diagnostic Test Indicators**

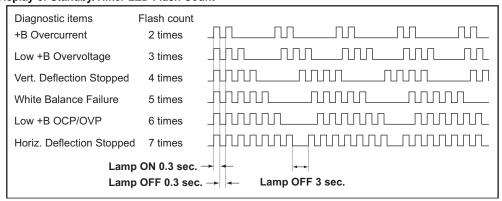
When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

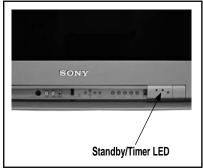
Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", an error has occurred.

Diagnostic Item	No. of times STANDBY / TIMER lamp flashes	Display Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light		<ul><li>Power cord is not plugged in.</li><li>Fuse is burned out (F501). (AY Board)</li></ul>	<ul><li>Power does not come on.</li><li>No power is supplied to the TV.</li><li>AC Power supply is faulty.</li></ul>
+B Overcurrent (OCP)*	2 times	2:0 or 2:1	H.OUT (Q5030) is shorted. (DZ Board)     +B PWM (Q5003) is shorted.     (DZ Board)	<ul><li>Power does not come on.</li><li>Load on power line shorted.</li></ul>
Low +B Overvoltage (OVP)	3 times	3:0 or 3:1	IC6505 is faulty. (DZ Board)	Has entered standby mode.
Vertical Deflection Stopped	4 times	4:0 or 4:1	15V is not supplied. (DZ Board)     IC5004 is faulty. (DZ Board)	<ul> <li>Has entered standby mode after Horizontal raster.</li> <li>Vertical deflection pulse is stopped.</li> <li>Power line is shorted or power supply is stopped.</li> </ul>
White Balance Failure (not balanced)	5 times	5:0 or 5:1	<ul> <li>Video OUT (IC9001-IC9003) is faulty. (CH, Board)</li> <li>CRT drive (IC2801) is faulty. (BY Brd.)</li> <li>G2 is improperly adjusted.**</li> </ul>	No raster is generated.     CRT cathode current detection reference pulse output is small.
LOW +B OCP/OVP (overcurrent/overvoltage)***	6 times	6:0 or 6:1	<ul> <li>+5 line is overloaded. (AY, BY, MY Boards)</li> <li>+5 line is shorted. (AY, BY, MY Brds.)</li> <li>IC504 is faulty. (AY Board)</li> </ul>	No picture
Horizontal Deflection Stopped	7 times	7:0 or 7:1		No picture

<sup>\*</sup> If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

#### Display of Standby/Timer LED Flash Count





\* One flash count is not used for self-diagnostic.

#### Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

<sup>\*\*</sup> Refer to Screen (G2) in Section 2-5 of this manual.

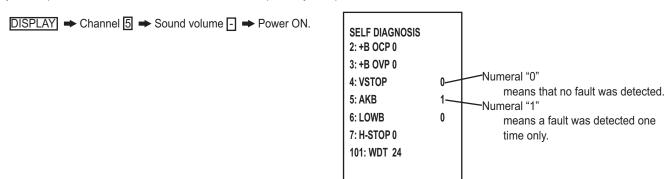
<sup>\*\*\*</sup> If STANDBY/STEREO LED flashes six (6) times, unplug the unit and wait 10 seconds before performing the adjustment.

#### Self-Diagnostic Screen Display

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

#### To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:



#### Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

#### Clearing the Result Display

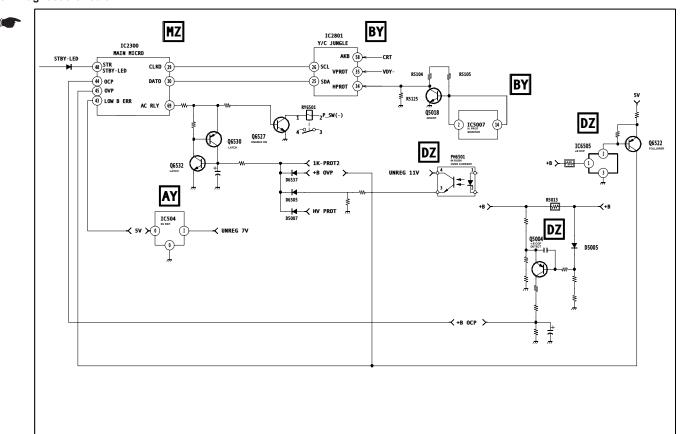
To clear the result display to "0", press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below: NOTE: This will also reset all user functions (including auto programming and picture settings)



#### **Quitting the Self-Diagnostic Screen**

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

#### **Self-Diagnostic Circuit**



#### +B overcurrent (OCP)

Occurs when excessive current flows through R5013. The increase in voltage across R5013 causes the output of Q5004 to go high, and this high signal goes to the micro.

#### +B overvoltage (OVP)

IC6505 detects +B OVP condition and turns on Q6522. This sends a high signal to the micro and also shuts down the AC relay.

#### **V-STOP**

Occurs when an absence of the vertical deflection pulse is detected by pin 24 of IC2801 (BY Board). Power supply will shut down when waveform interval exceeds 2 seconds.

#### **White Balance Failure**

If the RGB levels\* do not balance within 2 seconds after the power is turned on, this error will be detected by IC2801. TV will stay on, but there will be no picture.

\*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

#### Low B OCP/OVP

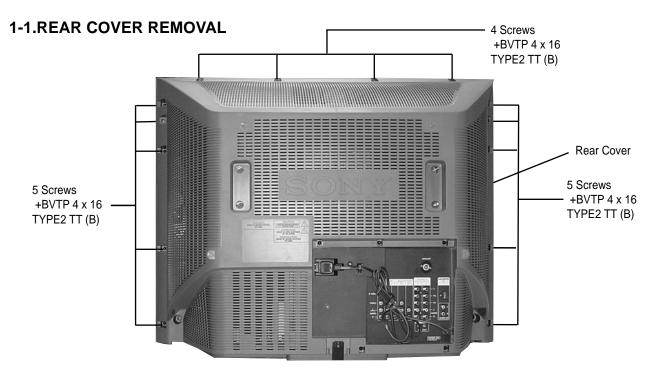
Occurs when set 5V is out.

#### **Horizontal Deflection Stopped**

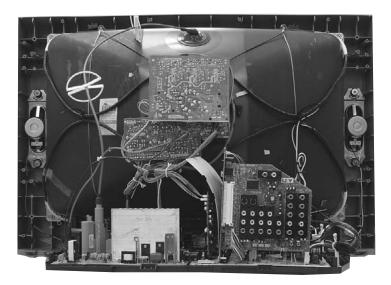
Occurs when either:

- 1) a +B overcurrent is detected (IC5007), or
- 2) overheating is detected (Thermistor TH5002).

### **SECTION 1: DISASSEMBLY**

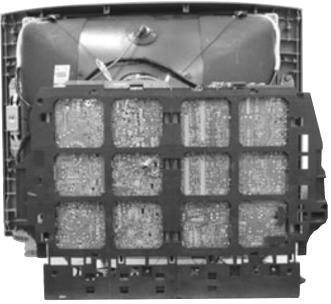


#### 1-2.CHASSIS ASSEMBLY REMOVAL



1 Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.

#### 1-3.SERVICE POSITION



<u>CAUTION!</u> - Heat sink on IC5004 is -15V. Do not to allow heat sink to touch GND or any other components.

Heat sink on Q8018 VpK=250V. Do not touch or short to GND or other components.

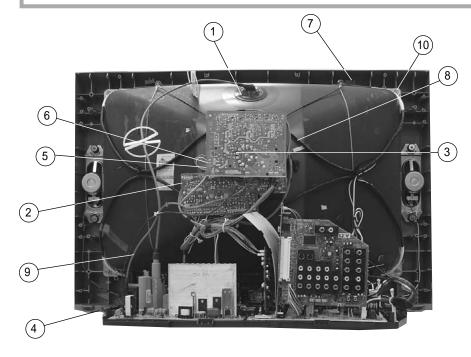
<u>CAUTION!</u> - Pay attention to Neck Assembly WY Board wire harness to BY Board. The WY Board can easily break if there is sudden or excessive tension on the harness.

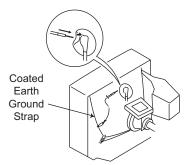
- 1 Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.
- Pull up and rotate both the AY and DZ Boards in order to service the unit.

#### 1-4.PICTURE TUBE REMOVAL

#### WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.





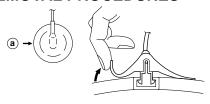
- Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
- 3. Remove the CH Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the neck assembly fixing screw and remove.
- 6. Loosen the deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
- 8. Remove the degaussing coils.
- Remove the CRT grounding strap and spring tension devices.
- 10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

#### **ANODE CAP REMOVAL PROCEDURE**

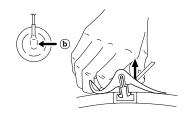
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. After removing the anode cap, short circuit to either the metal chassis, CRT shield, or carbon painted on the CRT.

NOTE: After removing the anode cap, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield or carbon painted on the CRT.

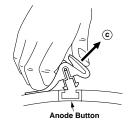
#### **REMOVAL PROCEDURES**



Turn up one side of the rubber cap in the direction indicated by arrow a .



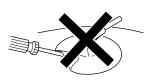
Use your thumb to pull the rubber cap firmly in the direction indicated by arrow b.

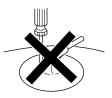


When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow c.

#### **HOW TO HANDLE AN ANODE CAP**

- Do not use sharp objects which may cause damage to the surface of the anode cap.
- To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- 3. Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.

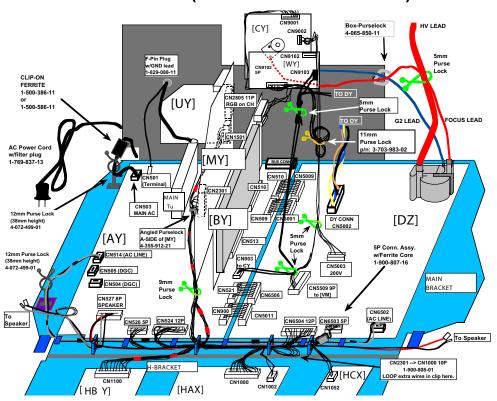




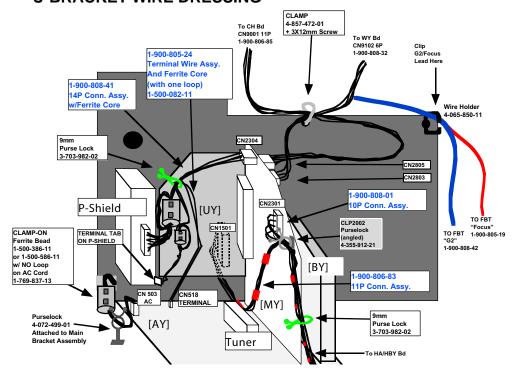
### **CABLE WIRE DRESSING**

### NOTE: IF THE WIRE DRESSING IS NOT DONE PROPERLY, IT MAY CAUSE DISTORTION

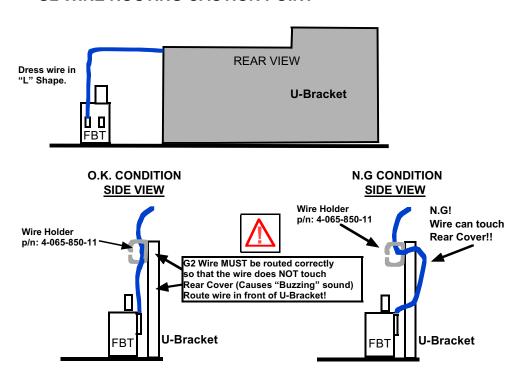
### **CHASSIS ASSEMBLY (ALL EXCEPT KV-29DRC420)**



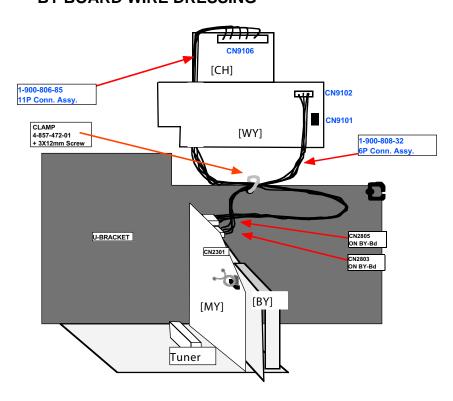
#### **U-BRACKET WIRE DRESSING**



### **G2 WIRE ROUTING CAUTION POINT**

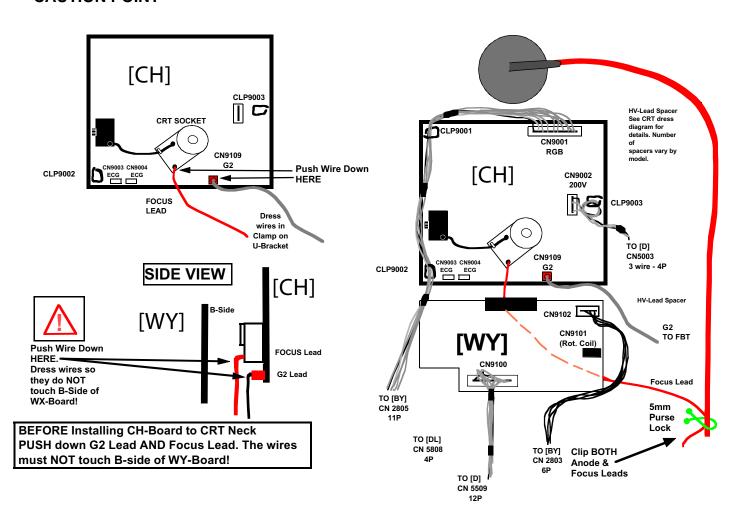


#### BY BOARD WIRE DRESSING

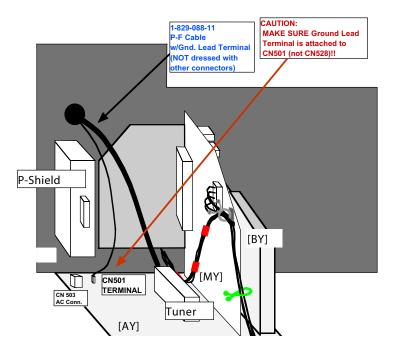


# G2 & FOCUS LEAD WIRE DRESSING CAUTION POINT

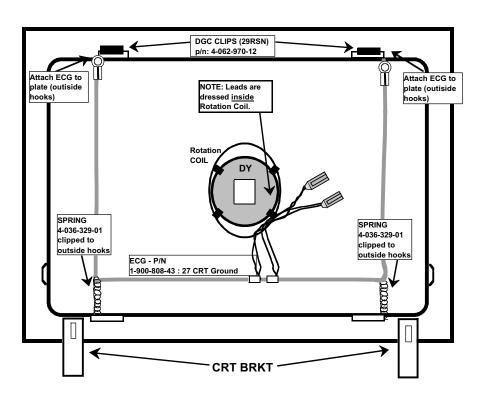
# [CH] /[WY] /[HV]



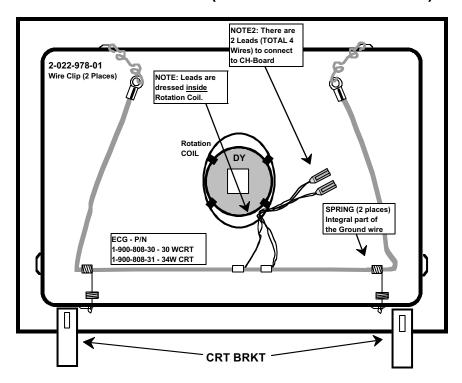
#### F-PIN CABLE WIRE DRESSING



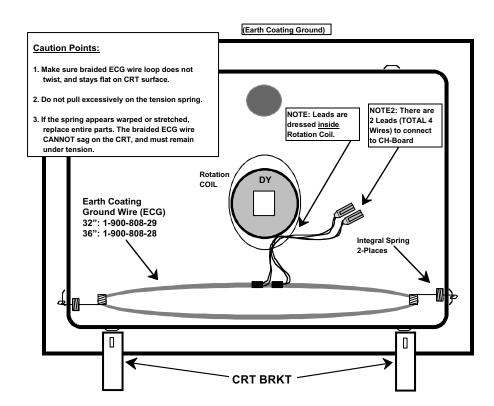
# **ECG WIRE DRESSING (KV-27HS420 ONLY)**



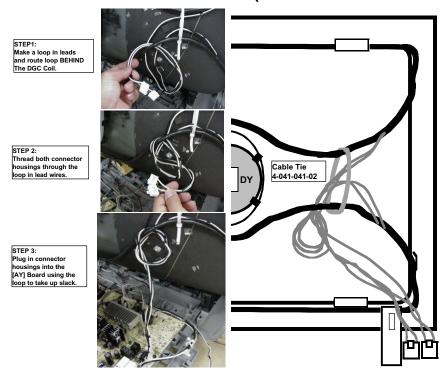
# ECG WIRE DRESSING (KV-30HS420/34HS420 ONLY)



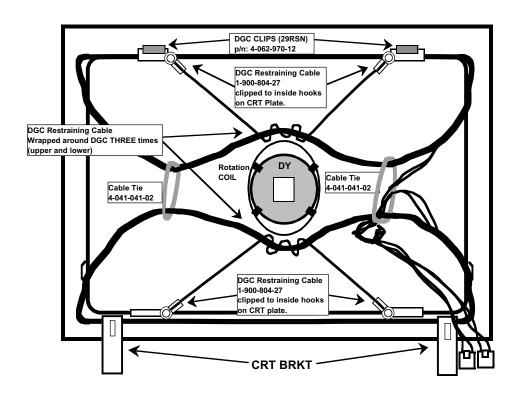
# ECG WIRE DRESSING (KV-32HS420/36HS420 ONLY)



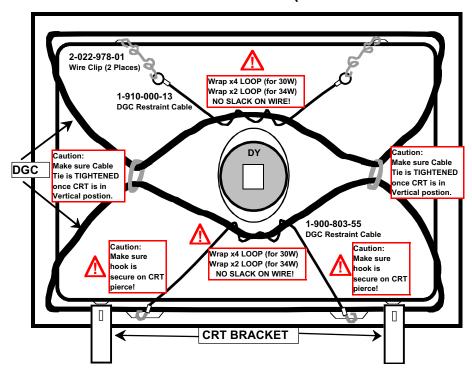
# **DGC LEAD WIRE DRESSING (ALL EXCEPT KV-29DRC420)**



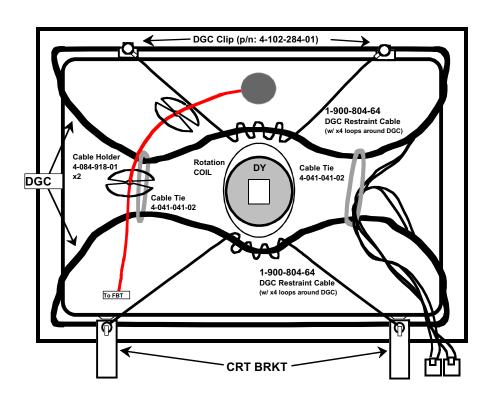
# **DGC WIRE DRESSING (KV-27HS420 ONLY)**



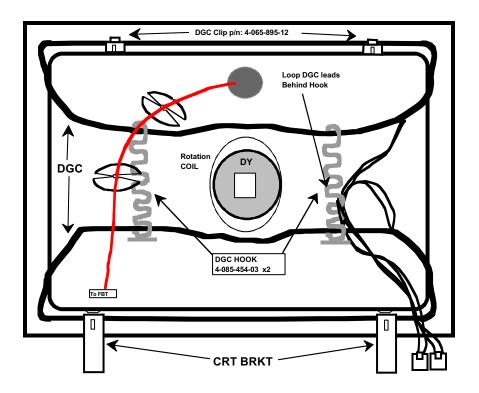
# DGC ASSEMBLY CAUTION POINT (KV-30HS420/34HS420 ONLY)



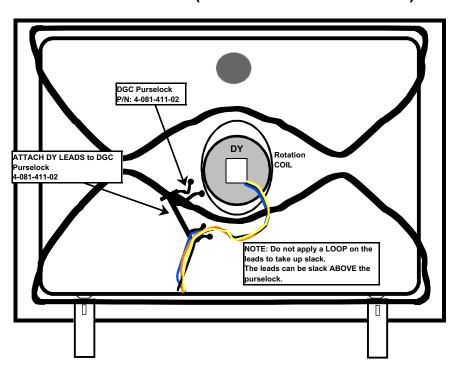
### **CRT WIRE DRESSING (KV-32HS420 ONLY)**



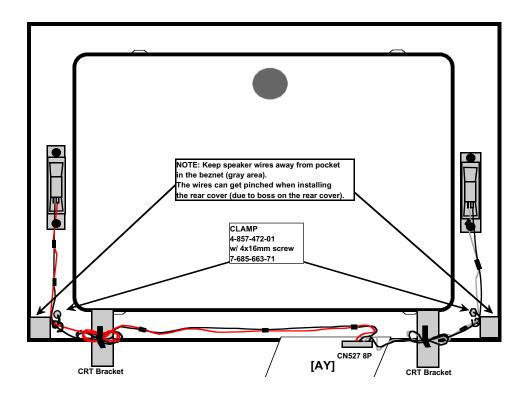
# WIRE DRESSING (US/CND) (KV-36HS420 ONLY)



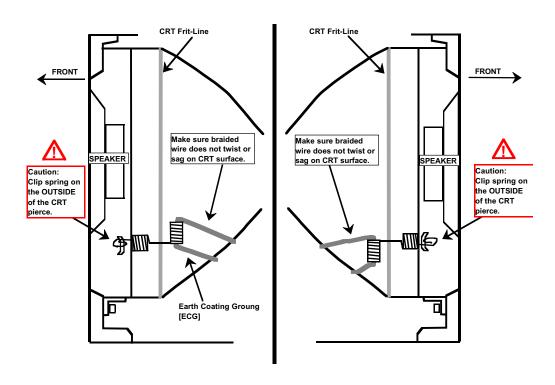
# DY LEAD DRESSING (ALL EXCEPT KV-29DRC420)



# SPEAKER ASSEMBLY WIRE DRESSING (ALL EXCEPT KV-29DRC420)



# ECG ASSEMBLY CAUTION POINT (ALL EXCEPT KV-29DRC420)



#### **SECTION 2: SET-UP ADJUSTMENTS**

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

VIDEO MODE: STANDARD (RESET)

#### Perform the adjustments in order as follows:

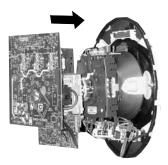
- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. Screen (G2)
- 5. White Balance

#### **Test Equipment Required:**

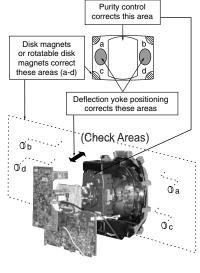
- 1. Color Bar Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital Multimeter

# Blue Red Green

5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



- Figure 1
- 6. Switch over the raster signal to red and blue and confirm the condition.
- 7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
- 8. If landing at the corner is not right, adjust it by using the disk magnets.



### **◆2-1.BEAM LANDING**

#### Preparation:

- Use cross hatch signal to rough adjust focus, G2 and then input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.
- CXA2170-D4 Confirm Focus data See 2.4.1 Dynamic Focus/ Dynamic Quadrapole Data Table 1.
- CXA8070 (Should be set to default) or unplug CN1 from DY.
   CXA8070 default (initial) data: (See 4-4. SERVICE DATA for the default data values for YBWU, YBWL, RSAP, RUBW, RUMB, RLBW, RLMB1, LSAP, LUBW, LUMB, LLBW, LLMB, CADJ, HVCA)
- CXA2170-D1, -D2 table default (initial) data: (See 4-4. SERVICE DATA for the default data values for VCEN, VPIN, HTPZ, HCNT, PPHA, VANG, VBOW, LBOW LANG)

Note: Do not use the hand degausser; it magnetizes the CRT.

- 1. Input white pattern from pattern generator. Set the PICTURE control to maximum, and the BRIGHTNESS control to standard.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



- 3. Input a green pattern from the pattern generator.
- Move the deflection yoke backwards, (See Figure 1) and adjust with the purity control so that green is in the center and red and blue are even on both sides.

#### 2-2.V-PIN AND V-CEN ADJUSTMENT

#### Preparation:

- · Input a cross hatch pattern signal.
- · Set Video Mode to: Standard (Reset)
- For all 4x3 CRT, VPIN data has separate register for full and V-compress. Adjust both modes if needed.
- For all 16x9 CRT's, adjust VPIN in normal mode for straightness of horizontal line.
- 1. Adjust service mode CXA2170D-1 05 V-CEN so that the top pin and bottom pin are symmetrical from top to bottom.
- 2. Adjust service mode CXA2170D-1 06 V-PIN so that the top pin and bottom pin are symmetrical from top to bottom.
- Horizontal lines should be straight from left to right. Check landing for side effect.

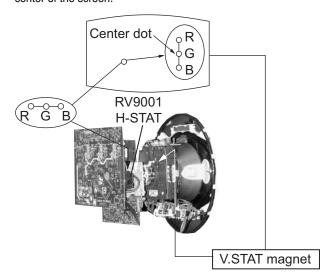
#### 2-3.CONVERGENCE

#### Preparation:

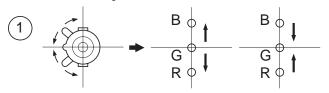
- Set the CONTRAST and BRIGHTNESS control to standard (reset).
- · Input a cross hatch pattern signal.

# 2-3.1. VERTICAL AND HORIZONTAL STATIC CONVERGENCE

- 1. Set dynamic convergence to default values (as in 2-1 Beam Landing) or disconnect the dynamic convergence before adjusting static convergence (CN903), except for minor touch-up.
- 2. Adjust H.STAT convergence, RV9001, on CH Board to converge red, green, and blue dots in the center of the screen.
- Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen.



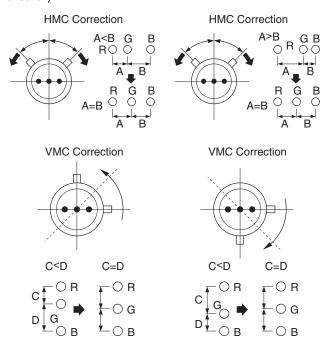
 Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



# 2-3.2. OPERATION OF BMC (HEXAPOLE) MAGNET

The respective dot positions result from moving each magnet interact. Perform the following adjustments while tracking.

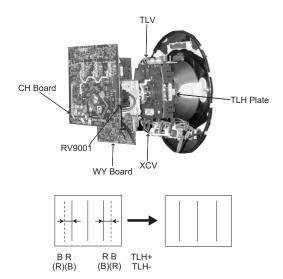
 Use the BMC tabs to adjust the red, green and blue dots so that they line up at the center of the screen (move the dots in a horizontal direction).



#### 2-3.3. TLH PLATE ADJUSTMENT

#### Preparation:

- Input a cross hatch pattern signal.
- Adjust unbalanced horizontal convergence of red and blue dots by adjusting the TLH Plate on the deflection yoke.



- 1. Adjust XCV core to balance X axis.
- 2. Adjust the vertical red and blue convergence with V.TILT (TLV VR).

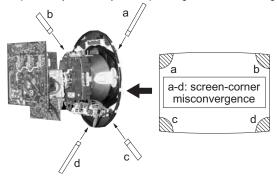
Note: Perform adjustments while tracking Item 1.

**Note:** Restore dynamic convergence when static convergence adjustments are complete.

### 2-3.4. SCREEN-CORNER CONVERGENCE

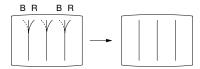
#### Preparation:

- Input a cross hatch pattern signal.
- 1. Affix a permalloy assembly corresponding to the misconverged areas.

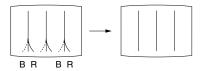


# 2-3.5. DYNAMIC CONVERGENCE ADJUSTMENTS

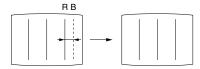
- Set dynamic convergence using the following service registers. Note areas of change.
- Only H-component can be corrected, for vertical component use permalloy to compensate.
- 0. YBWU (Upper Y-BOW)



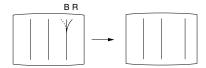
1. YBWL (Lower Y BOW)



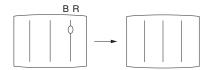
2. RSAP (Right H AMP)



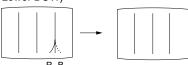
3. RUBW (Right Upper BOW)



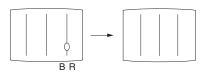
4. RUMB (Right Upper Middle BOW)



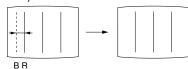
5. RLBW (Right Lower BOW)



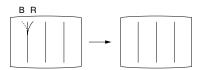
6. RLMB (Right Lower Middle BOW)



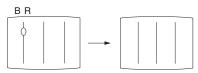
7. LSAP (Left HAMP)



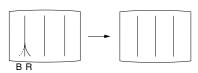
8. LUBW (Left Upper BOW)



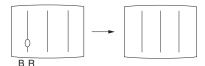
9. LUMB (Left Upper Middle BOW)



10. LLBW (Left Lower BOW)



11. LLMB (Left Lower Middle BOW)



12. CADJ Fix 29

#### 2-4.FOCUS ADJUSTMENT

Confirm neck assembly Z axis position. (See Figure 1)

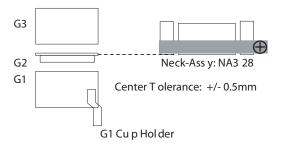
- 1. Input a dot signal.
- 2. Set Video Mode to STANDARD.
- Adjust focus VR counter clockwise (Over-Focus) to confirm the dot's shape. Center should be very slightly oval with left and right sides balanced.
- 4. Input a HD monoscope signal.
- 5. Confirm center focus with focus VR.

#### KV-32/34/36 HS420

CRT: 34RSN/36RV2/38RSN (NON-super-fine pitch and round

fannel)

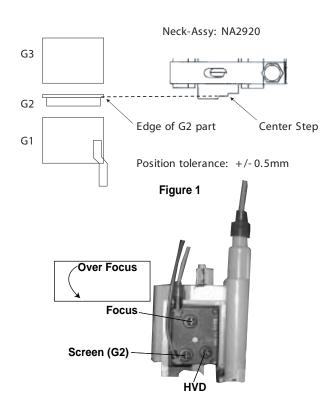
Neck Assy:NA328 (VA-type, square pin assignment, VPIN harness)

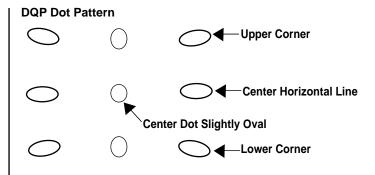


#### KV-27/30 HS420

CRT: 29RSN/32RVE (NON-Super-Fine Pitch)

Neck Assy:NA2920 (VA-Type, Square pin assignment, VPIN harness)





Note: Changing neck assembly position will affect corner convergence.

### 2-4.1. DYNAMIC FOCUS/DYNAMIC QUADRA-POLE DATA

Normally, no adjustments are necessary for these systems. If for some reason the data is lost, use the data from Table 1 below:

 Write the data from any non-vertically compressed mode, then use the CPY1 function (CXA2170D-4 Item 6) to copy the data to the vertical compressed modes.

**Note:** V-compressed data is identical to non-v-compressed data. Service personnel with a trained eye can adjust the DF or DQP registers to adjust DF phase (Item 7) or DQP phase (Item 8), respectively, to balance left and right focus. Refrain from adjusting more than 5 steps from table data below. Further adjustment indicates a circuit problem -- troubleshoot to cause.

**CAUTION:** Be sure that Neck Assembly is in the proper location. Mark position before moving or replacing neck assembly.

(See Section 2-4 Figure 1 - before changing DF/DQP data or troubleshooting circuit when DF/DQP is suspect.)

Procedure to adjust or check:

- Short Q8018 B-Gnd to disable DF. B Mark is on the circuit board.
   Circuit connection changes should always be done with the power off.
   CAUTION: Q8018 heatsink is live and peak voltage is 250V.
- 2. Input a cross hatch signal.
- 3. Change CXA2170-P2 item 2 RGBS to 2 to make green only.
  - Overfocus to adjust DQP phase. Adjust the data (CXA2170-D4 item 8) to balance left and right vertical line width.
  - 2. Once DQP is balanced, remove the short from DF circuit and refocus the set.
  - Adjust DF (CXA2170-D4 item 7) to balance left and right vertical line width.
  - 4. Reconfirm focus performance.

QPAM QPAV QPAP QPDC QPDV QPDP DF DQP

27	30W	32	34W	36
36	33	25	45	22
44	46	40	47	40
6	6	6	6	6
22	29	17	42	17
52	59	52	63	52
6	6	6	6	6
36	40	36	36	36
37	38	37	37	37

Table 1

### 2-5. SCREEN (G2)

- 1. Input composite white field into Video 1.
- 2. Set to service mode and adjust as follows:

(Fig. 1)	Opeartion Procedure	Standards	Notes
OVA0470D 0 DIOO 4 > 0	1) In Full mode, apply changes in Fig. 1		
CXA2170P-2 PICO 1-> 0	Mount G2 adjustment jig. Adjust Cathode    voltage if the standard is not met. Standard    varies by CRT size.	170 +/- 5 (V <sub>DC</sub> ) 175 +/- 5 (V <sub>DC</sub> )	29RSN, 32RVEN 34RSN, 36RV2, 38RSN
	3) Adjust G2 by Flyback transformer (T8001).		
	Return data changes in 1) to original condition.		

#### 2-6.PICTURE QUALITY ADJUSTMENTS

#### Preparation:

- · Set PRO MODE (Reset).
- 1. Input signal (480i Composite):
  - Color Bar Video 75 IRE (White) 75% modulation 7.5% Set-up.
  - Color Bar RF 75 IRE (White) 75% modulation 7.5% Set-up.

### 2-6.1. VIDEO INPUT - SUB CONTRAST **ADJUSTMENT**

#### Preparation:

- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- · Picture: Max
- Color: Min
- 1. Set to Service Mode and adjust as follows:

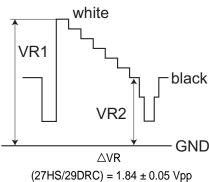
#### 2170P-2

l	NO.	Name	Control Function	Avg. Data
	01	RGBS	R ON	4

- 2. Connect oscilloscope to Pin 1 of CN9001 (R.DRV) on the CH Board.
- 3. Adjust contrast according to the service mode item: SPIO.

2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



 $(30HS) = 1.92 \pm 0.05 Vpp$ 

 $(32HS) = 1.92 \pm 0.05 Vpp$ 

 $(34HS) = 1.92 \pm 0.05 Vpp$ 

 $(36HS) = 2.00 \pm 0.05 \text{ Vpp}$ 

4. Write data from Step 3 above, into memory.

# 2-6.2. VIDEO INPUT - SUB HUE/SUB COLOR ADJUSTMENT

#### Preparation:

- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- · Picture: Max
- 1. Set to Service Mode and adjust as follows:

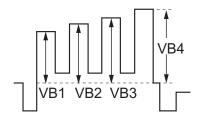
#### 2170P-2

ı	NO.	Name	Control Function	Avg. Data
	01	RGBS	R ON	7

- Connect an oscilloscope to Pin 5 of CN9001 (B. DRV) on the CH Board.
- 3. Adjust color according to Service Mode for SCLO.
- 4. Adjust color according to Service Mode for SHUO.

#### 2103-1

NO.	Name	Control Function
03	SCOL	SUB-COL
04	SHUE	SUB-HUE



COLOR: VB1  $\leq$  VB4 (=20mV  $\pm$  200 mV) HUE: VB2  $\leq$  VB3 (=20mV  $\pm$  200 mV)

5. Write data into memory.

# 2-6.3. RF INPUT - SUB CONTRAST ADJUSTMENT

#### Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE).
- · Picture: Max
- · Color: Min
- 1. Set to Service Mode and adjust as follows:

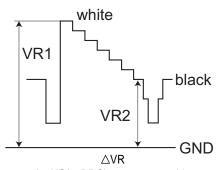
#### 2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	4

- 2. Connect an oscilloscope to Pin 1 of CN9001 (R. DRV) on the CH Board.
- 3. Adjust contrast according to service mode for SCON.

#### 2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



 $(27HS/29DRC) = 1.84 \pm 0.05 Vpp$ 

 $(30HS) = 1.92 \pm 0.05 Vpp$ 

 $(32HS) = 1.92 \pm 0.05 \text{ Vpp}$ 

 $(34HS) = 1.92 \pm 0.05 \text{ Vpp}$ 

 $(36HS) = 2.00 \pm 0.05 \text{ Vpp}$ 

4. Write data from Step 3 above, into memory.

# 2-6.4. RF INPUT - SUB HUE/SUB COLOR ADJUSTMENT

#### Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- · Set picture mode: single (FULL) (PRO MODE Reset).
- · Picture: Max
- 1. Set to Service Mode and adjust as follows:

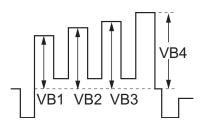
#### 2170P-4

1	NO.	Name	Control Function	Avg. Data
	01	RGBS	R ON	7

- Connect an oscilloscope to pin 5 of CN9001 (B. DRV) on the CH Board
- 3. Adjust color according to Service Mode for SCOL.
- 4. Adjust color according to Service Mode for SHUE.

#### 2103-1

NO.	Name	Control Function
03	SCOL	SUB COLOR
04	SHUE	SUB HUE



COLOR: VB1  $\leq$  VB4 (=20mV  $\pm$  200 mV) HUE: VB2  $\leq$  VB3 (=20mV  $\pm$  200 mV)

5. Write data into memory.

# 2-7.WHITE BALANCE (CRT) AND SUB BRIGHT ADJUSTMENT

#### Preparation

- Input an all white 480I (15.734 KHz) signal into the VIDEO 1 input terminal to perform the White Balance (highlight, cut-off) adjustments.
   The parameters to adjust are in the CXA2170P1 in Service Mode.
- Set Picture Mode: Single (FULL) ( PRO MODE Reset)
- Picture: Max
- · Color: Min

WHI	TE BALANCE ADJUSTMENT PROC	EDURE (Composi	ite White Fi	eld Signal into Vide	eo 1)	
	Old Calibration Highlight/Cutoff 9300K + 8MPCD			29RSN/29RSEN	R/G .790	<u>B/G</u> .903
Specification	(R/G 1.000, B/G 1.000)		WB701	32RVE/32RV	.775	.915
	New Calibration Highlight/Cutoff		Preset	34RSN	.689	.883
	10,900K + 2MPCD (R/G 1.007, B/G 1.139)			36RV2	.745	.905
		<u>-</u> '		38RSN	.679	.872
	Picture Mode: Single (Full) Picture Setting:Pro		RDRV (fix	ed)**	2170P-1-	06
	Color Temp: Neutral	Adjustment	GDRV		2170P-1-	0
Condition	Picture: 63 write to 86h:01h:FFh	Registers (Service Mode)			2170P-1-08	
	Color: 0 write to 86h:03h:00h		RCUT fixe	d)**	2170P-1-	09
			GCUT		2170P-1-	10
			BCUT		2170P-1-	11
			** Data wil	l differ by model		

# 2-7.1. COLOR OFFSET ADJUSTMENT PROCEDURE

#### Preparation:

- Input an all white (30 IRE) signal to the specified input.
- Adjust the white balance using the specified registers.
- Set picture mode: Single (FULL) (PRO MODE Reset)
- · Color: Max

#### VIDEO 1

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

#### VIDEO 5

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

#### VIDEO 7 - HDMI 480i Signal

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB0F (FROM VIDEO 5) + 3
4	CROF	CR0F (FROM VIDEO 5) - 4

#### 2-8.H RASTER CENTER ADJUSTMENT

#### Preparation:

- · Input a monoscope signal.
- · Set to NTSC (DRC) mode.
- 1. Set to Service Mode and adjust as follows:

#### CXA2170P-2

NO.	Name	Control Function	Data
05	AGNG	AGING 1, AGING 2	2

#### CXA2170D-2

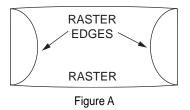
NO.	Name	Name Control Function	
01	HPOS	Horiz Position	34
02	HSIZ	Horiz Size	34

#### CXA2170D-3

١	10.	Name	Control Function	Avg. Data
	00	HBLK	Blanking Enable	0

- 2. Reduce HSIZ to see sides of raster. (See Figure A)
- 3. Adjust H-Center with CXA2170D-2.
- 4. Adjust to the best screen position with H-CENT and write data.
- 5. Restore aging, HSIZ and HBLK to original condition.

#### Raster Edge Equal:



### 2-9.PICTURE DISTORTION ADJUSTMENTS

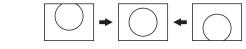
# 2-9.1. NTSC (DRC) FULL MODE ADJUSTMENT

- 1. Face the picture tube in an east-west direction. (For best condition.)
- 2. Input a monoscope and crosshatch signal.
- 3. Adjust the picture distortion with these two signals to balance the best condition between the two.
  - Use the CXA2170-D1 and -D2 adjustable data items shown here.
- Complete V-PIN and V-CEN adjustments first and adjust HPTZ to straighten and parallel top and bottom lines.
- 5. Adjust VSCO, VLIN as necessary.
- 6. Adjust VSIZ and VPOS and write the data.
- 7. Adjust for Vertical line distortion.
- Adjust VANG, VBOW, LANG, LBOW. Keep LANG and LBOW data between 5 and 58.
- 9. Finish with UCP, LCP, PPHA, PIN adjustments. Check SLIN, MPIN.
- 10.Adjust for correct HSIZ and HPOS and write the data before changing modes.

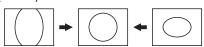
**Note**: Make sure that the picture size is within specs. Vertical size is  $11.8 \pm 0.1$  sq. and horizontal size is  $15.8 \pm 0.1$  sq.

#### CXA2170D-1

Item 0. VPOS (V-POSITION)



Item 1. VSIZ (V-SIZE)



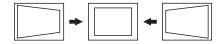
Item 3. VLIN (V-LINEARITY)



Item 4. VSCO (V S-CORRECTION)



Item 9. HTPZ (H-TRAPEZOID)



#### CXA2170D-2

#### Item 1. HPOS (H-POSITION)



Item 2. HSIZ (H-SIZE)



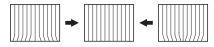
Item 5. PIN (PIN AMP)



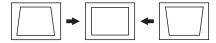
Item 7. UCP (UP COR PIN COR)



Item 8. LCP (LOW CO PIN COR)



Item 14. PPHA (PIN PHASE)



Item 15. VANG (AFC-ANGLE)



Item 16. LANG (L-ANGLE)



Item 17. VBOW (AFC-BOW)



Item 18. LBOW (L-BOW)



#### 2-9.2. 1080I HD MODE ADJUSTMENT

- Input a 1080i cross-hatch signal and an HD monoscope full signal that contains overscan markers. (From service mode, verify 1080l mode).
- 2. If this procedure was not performed for full mode, adjust the raster position per Section 2-8. H Raster Center Adjustment.
- Adjust the geometry similar to Full DRC mode. Vertical size is 11.7 ± 0.1 sq. and horizontal size is 15.6 ± 0.1 sq., if monoscope signal is available. Otherwise, set the Vertical size to 91.0 ± 0.6% scan and Horizontal size as 91.0 ± 0.6% scan.
- 4. Adjust HPOS as necessary.

**Note:** if necessary, touch up the geometry using the data registers listed above for full mode. Check NTSC full mode for adjustment side effects because some data registers are shared between modes, in which case a balance must be achieved.

5. Write the data into memory before changing modes.

# 2-9.3. VERTICAL COMPRESSED MODE CHECK AND CONFIRMATION (FOR 4X3 CRT ONLY)

- 1. Input a monoscope and crosshatch signal.
- 2. Set CXA2170-P4 item 26 IDSW to 4 (VC 960i).
- 3. Check for vertical compressed mode distortion.
- 4. Adjust VPIN as necessary to correct upper lower horizontal line straightness. Adjust other registers as in Full mode above as necessary, being careful to balance any shared data effect between modes.
- Repeat 3-4 for IDSW set to 3 (VC 1080i). Write the data before changing modes.
- 6. Write the data before changing modes.

# 2-9.4 NORMAL, ZOOM AND WIDE ZOOM MODES

- 1. Check Normal and Zoom modes for size and position.
- Optimize VPIN adjustment in Normal mode for the straightest upper and lower horizontal lines. For other registers, remember to check for shared data side effect.
- 3. Write the data before changing modes.
- 4. Check Wide Zoom mode for size and position.
  Wide Zoom is a specially adjusted mode to fit a 4:3 picture into a 16:9 format, and is only available on wide screen models.
- 5. Set the following key registers to the data indicated: VSCO = 10, UVLN = 4, LVLN = 4, SLIN = 10, MPIN = 9, then adjust the other data registers shown here for Full mode to straighten horizontal and vertical lines. The picture on the top and bottom edge is deliberately compressed vertically, and similarly the picture on the left and right side is expanded horizontally.

**Note**: Do not adjust horizontal and vertical linearity to make another Full mode. Most data registers for this mode are dedicated to Wide Zoom mode only so there should be no adjustment side effects to other modes but please confirm this.

6. Write the data before changing modes.

#### **SECTION 3: SAFETY RELATED ADJUSTMENTS**

#### 3-1.PREPARATION BEFORE CONFIRMATION

Confirm Point: ...... Across CN5509 PIN 9 for B+ of DZ Board

# 3-1.1 HOLD-DOWN OPERATION CONFIRMATION

- Using an external DC power supply, apply 5.3 ± 0.5 Vdc between Pin 2 of CN507 (jig connector) and ground (Pin 8); confirm set goes to hold-down (main power relay click).
- 2. Remove the external DC power supply.

#### 3-2.B+ MAX CONFIRMATION

Standard  $135.3 \pm 1 \text{ VAC}$ 

Check Condition:

AC input voltage: 120 (± 2) VAC

Note: If using a stabilized power supply, make sure that the distortion factor is 3% or less.

Setting Mode: Full mode
Signal Input: Cross-hatch of NTSC
Initial Setting: Standard Reset condition
Confirm Point: Across CN5509 PIN 9 for B+ of DZ Board

#### 3-3.B+ VOLTAGE CHECK

#### 3-4.HIGH VOLTAGE (HV) CHECK

Standard:	30.5 ± 0.5 kV
	(KV-27HS420/29DRC420/30HS420 only)
Standard:	31.5 ± 0.5 kV
	(KV-32HS420/34HS420/36HS420 only)
Measurement point:	Anode of CRT
Input Video Signal:	All Black Signal
Picture level:	Picture/Brightness Minimum

HV Probe: Service can use Fluke 80K-40 or equivalent.

# 3-5. PREPARATION FOR HV AND IK PROTECTOR CHECK

- Remove DZ board screws and carefully lift board as necessary to gain access to the bottom of the board.
- Unsolder CN5001 pin 1 to open ABL connection to AY board. (Alternately, open AY - DZ connector (CN509-CN5001) and carefully push pin 1 metal tab (ABL) up from the bottom and pull up from the top using long nose pliers and release it from the connector, then close the connector with pin 1 connection now open.)
- Install jumper wire from MY board connection CN2304 pin 1 to CN509 pin 1 to inject 5V to ABL line. (Alternately, use STBY 5V, IC501 Pin O on AY board)
- 4. Unsolder CN5009 pin 8 (H-prot).
- Open ABL pin 1 of T8001 (RHT) on DZ board and connect analog current meter.

### 3-6.HV PROTECTOR CHECK

#### 3-6-1. CUT OFF CONDITION

- 1. Confirm ABL current which should be approximately 0.160mA.
- 2. Short across C8002, C8021, and C8052.
- Turn off the set and install precision VR1 jig (a multi turn pot initially set to 100K) to IC8005 pin 1 (It's the unmarked IC8005 pin on PWB A side, neither K nor A.) and GND (C8076 -).
- 4. Restore power and adjust HV to obtain  $34.4 \pm 0.15$ kV (KV-27HS420/29DRC420/30HS420 only) or  $35.2 \pm 0.15$ kV (KV-32HS420/34HS420/36HS420 only)by precision VR1 jig.

**Note:** If the picture turns bright red or other color and the set shuts down, place a 10 M $\Omega$  resistor on the CH board between G2 and E2 pins on the socket. Confirm G2 adjustment before returning set to production.

- 5. Remove short from C8002 and confirm that hold down activates.
- 6. Short C8002 again and confirm that HV recovers.
- 7. Re-adjust HV to obtain 31.5  $\pm$  0.2 kV (KV-27HS420/29DRC420/ 30HS420 only) or 32.5  $\pm$  0.2 kV (KV-32HS420/34HS420/36HS420 only) by precision VR1 jig.
- 8. Remove short from C8002 and C8021 and C8052.
- 9. Confirm that hold down does not activate.

**Note:** Remove the 10 M $\Omega$  resistor, if installed in step D above

#### 3-6-2. HIGH LIGHT CONDITION

Input Video Signal:......All White Signal Picture level:......Picture/Brightness Adjustment

- 1. Short across C8002, C8021, C8052, C8012, and C8015.
- Set ABL current to 2.76mA by adjusting picture and brightness towards max condition.
- 3. Adjust HV to obtain 33.6  $\pm$  0.15kV (KV-27HS420/29DRC420/30HS420 only) or 34.5  $\pm$  0.15kV (KV-32HS420/34HS420/36HS420 only) by precision RV1 jig.
- 4 Remove short from C8002 and confirm that hold down activates.
- 5. Short C8002 again and confirm that HV recovers.
- 6. Re-adjust HV to obtain 31.2  $\pm$  0.2 kV (KV-27HS420/29DRC420/30HS420 only) or 32.2  $\pm$  0.2 kV (KV-32HS420/34HS420/36HS420 only) by precision VR1 jig.
- 7. Remove shorts from C8002, C8021, and C8052.
- 8. Confirm that hold down does not activate.
- 9. Remove short from C8012 and C8015.
- 10. Remove VR1 jig from DZ board

#### 3-7.IK PROTECTOR CHECK

- 1. Short across C8015.
- 2. Set ABL current to 2.76mA by adjusting picture and brightness towards max condition.
- 3. Confirm that AC Relay shuts off.
- 4. Remove short from C8015 and Short across C8012.
- 5. Turn the set off and on to reset AC relay latch.
- 6. Confirm the voltage at CN5009 pin 8 (H\_prot) =  $3.6 \pm 0.5$ V.
- 7. Remove short from C8012.

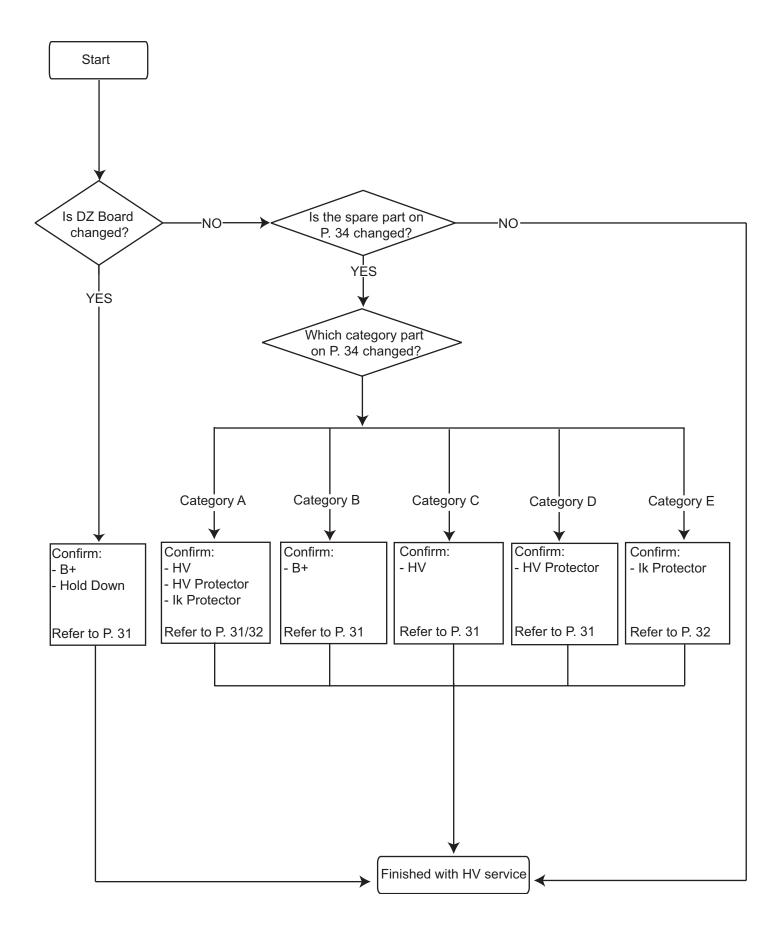
#### 3-8.HOLD DOWN CHECK

- Using an external DC power supply, apply 5.3 + 0.5 Vdc between Pin 2 of CN507 (jig connector) and ground (Pin 8) on AY board
- 2. Confirm that hold down activates.
- 3. Remove the external DC power supply.

#### 3-9.RESTORATION

- Re-solder CN5001 pin 1 and CN5009 pin 8 to restore AY-DZ connections. (Or as applicable, restore AY-DZ connector by carefully pressing the tab back into the slot and snapping the connector shut. Be sure the tab is flush and level with the other tabs on the connector.)
- Remove jumper wire from MY board connection CN2304 pin 1 to CN509 pin 1.
- 3. Remove current meter from ABL pin and restore ABL pin connection.
- Replace all DZ board screws and restore user menu settings to reset condition.

#### 3-10.HV SERVICE FLOWCHART



# **HV SERVICE FLOWCHART TABLE**

Ref. #	Category
T8001	А
R8015	С
R8017	С
R8019	D
R8035	Е
R8036	Е
R8037	Е
R8038	Е
R8039	Е
R8040	Е
R8043	Е
R8078	D
R8165	D
IC8005	С
IC8104	D
R8012	С
R8014	С
R8016	D
R8021	С
R8027	Е
R8029	Е
R8030	Е
R8031	E
R8046	D
R8052	D
R8059	С
R8060	С
R8066	С
R8072	D
R8079	D
R8082	Е
R6590	В
D8022	D C
PH8003	С
Q8007	Е
Q8008	E
IC8001	D
IC8002	С
IC8004	С
IC6503	В

### **SECTION 4: CIRCUIT ADJUSTMENTS**

#### **ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER**

Use the Remote Commander (RM-Y197) to perform the circuit adjustments in this section.

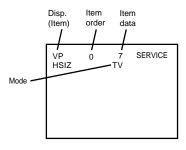
Test Equipment Required: 1. Pattern generator 2. Frequency counter 3. Digital multimeter 4. Audio oscillator

#### 4-1.SETTING SERVICE ADJUSTMENT MODE

- 1. Standby mode (Power off).
- Press the following buttons on the remote commander within a second of each other:

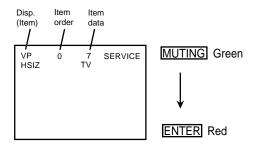
DISPLAY → Channel 5 → Sound Volume + → Power

### 4-1.1. SERVICE ADJUSTMENT MODE IN

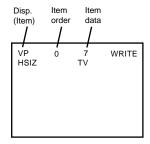


- 3. The CRT displays the item being adjusted.
- 4. Press 1 or 2 on the Remote Commander to select the item.
- 5. Press 3 or 6 on the Remote Commander to change the data.
- 6. Press MUTING then ENTER to write into memory.

#### 4-1.2.SERVICE ADJUSTMENT MODE MEMORY



7. Press 8 on the Remote Commander to initialize.



8. DO NOT turn off set until SERVICE appears.

### 4-1.3. READING THE MEMORY

- 1. Enter into Service Mode.
- 2. Press on the Remote Commander.
- 3. Press ENTER to read memory.

#### 4-1.4. ADJUSTING THE PICTURE

- 1. Enter into Service Mode
- 2. Press 2 or 5 on the remote to select the device item.
- 3. Press 1 or 4 on the remote to select an item.
- 4. Press 3 or 6 on the remote to change the data.
- 5. Press MUTING then ENTER to write into memory.

#### 4-1.5. RESETTING THE DATA

**CAUTION**: Be careful when using the remote! It will clear and reinitialize ALL NVM data including deflection adjustment data if not reset properly as follows:

#### 4-1.6. RESETTING THE MID NVM DATA

- 1. Enter into Service Mode.
- 2. Press 7, then JUMP, and then press ENTER on the remote.

#### 4-1.7. RESETTING THE SYSTEM NVM DATA

- Enter into Service Mode. This resets DEFL adjust and video white balance.
- 2. Press 7, then 9, and then press ENTER on the remote.

#### 4-1.8. COPY FUNCTION

How to use copy function for DA4 Chassis:

After writing your adjusted data into NVM, press MUTING
then ENTER, copy can be made by changing copy data from to
then MUTING, and ENTER again.

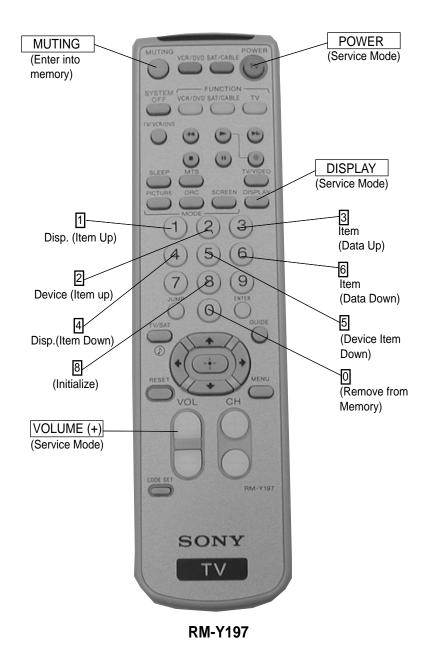
WARNING: DO NOT copy data before writing your corrected data in NVM. If data is copied before writing corrected data, old data will be copied.

CPY1: DF/DQP DATA (CXA2170D-4 Item 6)

#### 4-2.MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
- 2. Turn the power switch ON and set to Service Mode.
- 3. Call the adjusted items again to confirm they were adjusted.

#### 4-3.REMOTE ADJUSTMENT BUTTONS AND INDICATORS



### 4-4.SERVICE DATA

Category	No	Item	Range	*NOT be memorized								
VERSION	0	VER*	0,1	0 *								
	1	DMY1*	0-255	0								
					-							
3D-COMB	0	NRMD*	0-3	0 *	Note:							
	1	CLKS	0-3	1	Item * uses the fixe							
	2	NSDS*	0-3	0 *	normal TV operation							
	3	MSS*	0-3	0 *	{Its setting can be							
	4	KILS*	0-3	1 *	testing in Servcie r							
	5	FRZE*	0,1	0 *	But the change wil							
	6	EXCS	0-3	1	memorized after le	eaving						
	7	CDL	0-7	4	Service mode.}							
				NDMD 0	NDMD 4	NDMD 0	NDMD 0					
	8	DYCO	0-15	NRMD=0 2	NRMD=1 2	<b>NRMD=2</b>	NRMD=3					
	9	DYGA	0-15	10	10	10	2 10					
	10	DCCO	0-15	5								
	11	DCGA	0-15	5	5     5       5     5       5     5							
		DCGA	0-13	J	3	3	3					
	12	WSC	0-2	1	1							
	13	WSS	0,1	0								
			0,1		_							
				Vivid	Standard	Movie	Pro					
	14	VAPG	0-7	4	2	2	0					
	15	VAPI	0-31	4	4	4	0					
					_							
	16	TEST*	0,1	0 *								
				Vivi			dard	Movie		Pro		Twin
				RF	CV/YC	RF	CV/YC	RF	CV/YC	RF	CV/YC	
	17	YPFT	0-3	3	3	3	3	3	3	3	3	3
	18	YPFG	0-15	9	5	7	5	5	6	5	5	6
					1							
	19	SEDC	0,1	0								
	20	SEDY	0,1	1								
	21	YHCO	0-3	1	_							
	22	YHCG	0,1	0	_							
	23	SYSP	0-3	0	_							
	24	TES2*	0-7	0 *								

Category	No	Item	Range	*NOT be memorized				
2103-1				V5/V6	Others			
21001				HDMI				
	0	YLEV	0-62	34	20			
	1	CLEV	0-63	40	17			
						-		
				RF	CV/YC			
	2	SCON	0-15	9	9			
	3	SCOL	0-15	2	2			
	4	SHUE	0-15	11	5			
	5	YDLY	0-3	0	0	1		
						_		
				RF	CV/YC	V5/V6	HDMI	MemoryStick
	6	SHAP	0-15	6	8	4	8	8
	7	SHF0	0-3	0	0	3	0	0
	8	PRE0	0-3	3	3	3	3	3
	9	BPF0	0-3	3	7			
	10	BPFQ	0-3	2	7			
					<b>-</b>			
				RF	CV/YC			
	11	BPSW	0,1	1	0			
						_		
	12	TRAP	0,1	0				
	13	LPF	0,1	1	1			
				RF	CV/YC	Others		
	14	AFCG	0,1	1	0	0		
	15	CDMD	0-3	3	3	3		
	16	SSMD	0-3	0	0	0		
				-		-		
				RF	CV/YC	V5/V6	HDMI	MemoryStick
	17	HMSK	0,1	0	1	1	0	0
					•	•	•	
	18	HALI	0,1	0	7			
			- ,	-	<b>-</b>			
				RF	CV/YC	V5/V6	HDMI	MemoryStick
	19	PPHA	0-15	7	7	7	7	7
				·	· · · · · · · · · · · · · · · · · · ·			
				V5/V6	MemoryStick	Others		
	20	CBO1	0-63	36	32	34		
1	21	CRO1	0-63	38	32	32	1	
							1	

Category	No	Item	Range	*NOT be memorized										
2103-1				V5/V6	Others									
	22	CBO2	0-63	<b>HDMI</b> 32										
	23	CRO2	0-63	32	1									
	23	CKUZ	0-03	32	<u></u>									
				Single	BLK=0	BLK=1	BLK=2	BLK=3	Notes:					7 l
	24	ATPD	0-3	0	1	1	2	1		oplied to CXA210	)3 (M&S) if	applied		
	25	DCTR	0-3	0	2	1	3	2		so based on 217				
		20111			<u> </u>		<del></del>	<del>_</del>	3					-
2170P-1				DR	C		Memory	Comp /						
				CV/YC	480i	HDMI	Stick	PT						
	0	YOSW	0,1	1	0	1	0	0						
					_									
	1	TCOF*	0,1	0 *	]									
					_									
				DRC			/V6			HDMI			Memory	PT
				RF/CV/YC	480i	480p	720p	1080i	480i	480p/VGA	720p	1080i	Stick	
	2	YOF	0-15	0	7	7	7	7	7	0	7	7	7	7
	3	CBOF	0-63	31	31	46	51	49	31	40	31	31	38	38
	4	CROF	0-63	31	31	45	51	48	31	40	31	31	34	34
	_			0.1	7									
	-			ColorTemp	1									
	_	CDDT	0.00	Neutral	_									
	5	SBRT RDRV	0-63 0-63	31 45	4									
	6 7	GDRV	0-63	35	-									
	8	BDRV	0-63	34	+									
	9	RCUT	0-63	41	1									
	10	GCUT	0-63	32	-									
	11	BCUT	0-63	35	-									
	F	5001	0 00		J									
				Color T	emp	Note:								
				Cool	Warm	The WBSW	setting							
	12	WBSW	0,1	0	Service Data *	in Warm car								
	13	SBOF	0-15	7	7	memorized i	n NVM.							
	14	RDOF	0-63	31	31									
	15	GDOF	0-63	31	34									
	16	BDOF	0-63	34	45									
	17	RCOF	0-63	31	31	_								
	18	GCOF	0-63	31	37	]								
	19	BCOF	0-63	34	63									

Category	No	Item	Range	*NOT be memorize	ed													
2170P-1					RC	HDMI	Memory	Comp /										
				CV/YC	480i	пын	Stick	PT										
	20	DCOL	0-3	3					_									
					-													
2170P-2				Blanking On	Blanking Off	Power Off												
	0	PICO*	0,1	1 *	1 *	0 *												
	1	RGBS*	0-7	0 *	7 *	0 *												
					_		_											
	2	BLKB	0-3	3														
	3	RGBL	0-3	2														
	4	YLMT	0-3	3														
				Aging On	Aging Off													
	5	AGNG*	0-3	2 *	0 *													
					<del>-</del>													
	6	AKBO*	0,1	0 *														
						i												
				Other	PT													
	7	CLPP	0-3	3	3													
	8	CLPG	0,1	0	0													
	9	CLPS	0,1	0	0													
	10	PPAD	0-7	3	3													
	11	SYNP	0,1	0	0													
					•													
	12	HVBT	0,1	0														
	<u> </u>																	•
2170P-3								V5/V6	1	1			HDMI	1		Memory St		
					RF	CV/YC	480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	Slide Show /	Menu	Twin
		0)/014	0.0		4	4										Still Picture	Index	
	0	SYSM	0-3		<u> </u>	1	1	1	3	3	1	1	1	3	3	1	1	2
	1	VMLV*	0-15		·	•	1 0						_	•	_		1 0	
	2	VMCR	0-3	\/!:! -!	1	0	0	0	0	0	0	0	0	0	0	0	0	3
	3	VMLM	0-3	Vivid	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1 -	1 -	0	0	1	1	1	0	0	1	1	0
	5	VMDL	0-15		5	5	5	5	13	13	5	5	5	13	13	1	1	10
	6	SHOF	0-3		2	2	2	1	1	1	2	1	0	1	1	2	2	2
	7	SHF0	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	3	2	0	3	3	2	0	0	3	3	3	3	3
	9	F1LV	0-3		1	0	1	0	0	1	1	0	1	0	1	0	0	0

Category	No	Item	Range	*NOT be memorize	ed													
2170P-3								V5/V6					HDMI			Memory St	ick	
					RF	CV/YC	480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	Slide Show / Still Picture	Menu Index	Twin
	10	LTLV	0-3		2	3	3	1	3	3	3	3	3	3	3	3	3	3
	11	LTMD	0,1	Vivid	1	1	1	0	1	0	1	0	1	1	0	0	0	1
	12	CTLV	0-3	VIVIG	0	0	0	0	3	3	0	0	0	3	3	0	0	0
	13	UBOF	0-7		0	0	0	1	1	1	0	0	0	0	0	2	2	1
	14	UCOF	0-7		2	2	2	2	2	2	2	2	2	2	2	1	1	2
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		7	11	15	19	23	27	31	35	44	39	43	37	37	56
	0	SYSM	0-3		1	1	1	1	3	3	1	1	1	3	3	1	1	2
	1	VMLV*	0-15		7 *											_		
	2	VMCR	0-3		11	0	0	0	0	0	0	0	0	0	0	0	0	3
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		11	1	1	1	0	0	1	1	1	0	0	1	1	0
	5	VMDL	0-15		5	5	5	5	13	13	5	5	5	13	13	1	1	10
	6	SHOF	0-3		3	3	2	0	1	1	2	0	0	1	1	3	3	2
	7	SHF0	0, 1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	3	2	0	3	3	2	0	0	3	3	3	3	3
	9	F1LV	0-3		0	0	1	1	0	0	1	1	1	0	0	0	0	0
	10	LTLV	0-3		2	2	2	3	3	3	2	3	3	3	3	2	2	3
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	0	0	0
	13	UBOF	0-7		2	2	2	0	2	2	0	0	0	0	0	4	4	1
	14	UCOF	0-7		1	1	2	2	1	2	2	2	2	1	2	0	0	0
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		5	10	14	18	22	26	30	34	44	38	42	36	36	55

Category	No	Item	Range	*NOT be memorize	<del>e</del> u	•	1											
2170P-3								V5/V6	•	T		ī	HDMI	•		Memory St		<u> </u>
					RF	CV/YC	480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	Slide Show / Still Picture	Menu Index	Twin
	0	SYSM	0-3		1	1	1	1	3	3	1	1	1	3	3	1	1	2
	1	VMLV*	0-15		7 *													
	2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	0	0	3
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	1	1	0
	5	VMDL	0-15		5	5	5	5	13	13	5	5	5	13	13	1	1	10
	6	SHOF	0-3	Movie	1	1	1	1	1	1	1	1	0	1	1	1	1	1
	7	SHF0	0,1	Movie	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	3	2	1	3	3	2	1	0	3	3	3	3	3
	9	F1LV	0-3		0	0	0	0	0	0	0	0	1	0	0	0	0	0
	10	LTLV	0-3		1	1	1	2	1	1	1	2	3	1	1	1	1	1
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12	CTLV	0-3		0	0	0	0	2	2	0	0	0	2	2	0	0	0
	13	UBOF	0-7		0	0	0	0	0	0	0	0	0	0	0	2	2	0
	14	UCOF	0-7		0	0	0	0	0	0	0	0	2	0	0	0	0	0
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		3	9	13	17	21	25	29	33	44	37	41	35	35	54
İ								V5/V6			ı		нрмі			Memory St	ick	
					RF	CV/YC		V5/V6		<u> </u>		<u> </u>	HDMI			Memory St		Twin
					RF	CV/YC	480i	V5/V6 480p	1080i	720p	480i	480p	HDMI VGA	1080i	720p	Slide Show/ Still Picture	Menu Index	Twin
	0	SYSM	0-3		1	CV/YC	<b>480i</b>			<b>720p</b>	<b>480i</b>	<b>480</b> p			<b>720p</b>	Slide Show/	Menu	Twin 2
	1	VMLV*	0-15			1	2	<b>480</b> p	<b>1080i</b>	3	2	1	<b>VGA</b> 1	<b>1080</b> i		Slide Show/ Still Picture	Menu Index 2	2
	1 2	VMLV* VMCR	0-15 0-3		1 7 *	1 0	2	<b>480p</b> 1	<b>1080</b> i 3	3	2	1 0	<b>VGA</b> 1	<b>1080i</b> 3	3	Slide Show/ Still Picture 2	Menu Index 2	2
	1 2 3	VMLV* VMCR VMLM	0-15 0-3 0-3		1 7 * 1 3	0 3	0 3	480p 1 0 3	3 0 3	3 0 3	0 3	0 3	<b>VGA</b> 1 0 3	3 0 3	0 3	Slide Show/ Still Picture  2  0 3	Menu Index 2	3 3
	1 2 3 4	VMLV* VMCR VMLM VMF0	0-15 0-3 0-3 0-3		1 7 * 1 3	1 0 3 1	2 0 3 0	480p 1 0 3 0	1080i 3 0 3 0	3 0 3 0	0 3 0	0 3 0	VGA 1 0 3 1	1080i 3 0 3 0	3 0 3 0	Slide Show/ Still Picture  2  0 3 0	Menu Index 2 0 3 0	3 3 0
	1 2 3 4 5	VMLV* VMCR VMLM VMF0 VMDL	0-15 0-3 0-3 0-3 0-15		1 7 * 1 3 1 5	1 0 3 1 5	2 0 3 0 8	480p 1 0 3 0 5	1080i 3 0 3 0 13	3 0 3 0 13	2 0 3 0 8	1 0 3 0 5	VGA 1 0 3 1 5	1080i 3 0 3 0 13	3 0 3 0 13	Slide Show/ Still Picture  2  0 3 0 2	Menu   Index   2     0     3     0     2	3 3 0 10
	1 2 3 4 5 6	VMLV* VMCR VMLM VMF0 VMDL SHOF	0-15 0-3 0-3 0-3 0-15 0-3	Pro	1 7 * 1 3 1 5	1 0 3 1 5 2	2 0 3 0 8 2	480p  1  0 3 0 5 0	1080i 3 0 3 0 13 2	3 0 3 0 13 1	0 3 0 8 2	1 0 3 0 5 0	VGA 1 0 3 1 5 0	1080i 3 0 3 0 13 2	3 0 3 0 13 1	Slide Show/ Still Picture  2  0 3 0 2 0 0	Menu   Index   2     0     3     0     2     0	2 3 3 0 10 1
	1 2 3 4 5 6 7	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0	0-15 0-3 0-3 0-3 0-15 0-3 0,1	Pro	1 7 * 1 3 1 5 1	1 0 3 1 5 2	2 0 3 0 8 2	480p  1  0 3 0 5 0 1	1080i 3 0 3 0 13 2	3 0 3 0 13 1	0 3 0 8 2	1 0 3 0 5 0	VGA  1  0 3 1 5 0 1	1080i 3 0 3 0 13 2 1	3 0 3 0 13 1	Slide Show/ Still Picture  2  0 3 0 2 0 1	Menu   Index   2     0     3     0     2     0     1	3 3 0 10 1
	1 2 3 4 5 6 7 8	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV	0-15 0-3 0-3 0-3 0-15 0-3 0,1	Pro	1 7 * 1 3 1 5 1 1	1 0 3 1 5 2 1 2	2 0 3 0 8 2 1 3	480p  1  0 3 0 5 0 1 1	1080i 3 0 3 0 13 2 1 3	3 0 3 0 13 1 1 1	2 0 3 0 8 2 1 3	1 0 3 0 5 0	VGA  1  0 3 1 5 0 1 0	1080i 3 0 3 0 13 2 1 3	3 0 3 0 13 1 1	Slide Show/ Still Picture  2  0 3 0 2 0 1 3	Menu   Index   2     0     3     0     2     0     1     3     3	3 3 0 10 1 1 1 3
	1 2 3 4 5 6 7 8	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3	Pro	1 7 * 1 3 1 5 1 1 0	1 0 3 1 5 2 1 2	2 0 3 0 8 2 1 3 0	480p  1  0 3 0 5 0 1 1 0	1080i 3 0 3 0 13 2 1 3 0	3 0 3 0 13 1 1 1 1 3	0 3 0 8 2 1 3 0	1 0 3 0 5 0 1 1	VGA  1  0 3 1 5 0 1 0 1 1	1080i 3 0 3 0 13 2 1 3 0	3 0 3 0 13 1 1 1 3	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0	Menu   Index   2     0     3     0     2     0     1     3     0       1     3     0	3 3 0 10 1 1 1 3
	1 2 3 4 5 6 7 8 9	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 0	1 0 3 1 5 2 1 2 0 0	2 0 3 0 8 2 1 1 3 0	480p  1  0 3 0 5 0 1 1 0 0 0 0 0	1080i 3 0 3 0 13 2 1 3 0 0 0	3 0 3 0 13 1 1 1 3 0	2 0 3 0 8 2 1 3 0	1 0 3 0 5 0 1 1 1 0	VGA  1  0 3 1 5 0 1 0 1 3 3 1 5 0 1 3	1080i 3 0 3 0 13 2 1 3 0 0	3 0 3 0 13 1 1 1 3 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 0 0 0	Menu   Index   2     0     3     0     2     0     1     3     0     0     0     0     0     1	3 3 0 10 1 1 1 3 0
	1 2 3 4 5 6 7 8 9	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV LTMD	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3 0-3 0-3	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 1 1	1 0 3 1 5 2 1 2 0 0	2 0 3 0 8 2 1 3 0 0	480p  1  0 3 0 5 0 1 1 0 0 1 1 1 1 0 0 1	1080i 3 0 3 0 13 2 1 3 0 0 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	3 0 3 0 13 1 1 1 3 0 0	2 0 3 0 8 2 1 3 0 0	1 0 3 0 5 0 1 1 1 0	VGA  1  0 3 1 5 0 1 0 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1080i 3 0 3 0 13 2 1 3 0 0 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	3 0 3 0 13 1 1 3 0 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 1 3 0 1 1 3 1 1 1 1 1 1 1 1 1 1	Menu   Index   2     0     3     0     2     0     1     3     0     0     1	3 3 0 10 1 1 1 3 0 0
	1 2 3 4 5 6 7 8 9 10 11	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV LTMD CTLV	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3 0,1 0-3	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 1 1 0 0	1 0 3 1 5 2 1 2 0 0	2 0 3 0 8 2 1 3 0 0 0	480p  1  0 3 0 5 0 1 1 0 0 1 0 0 1 0 0 0 0 0 0	1080i 3 0 3 0 13 2 1 3 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 3 0 13 1 1 1 3 0 0	2 0 3 0 8 2 1 3 0 0 0	1 0 3 0 5 0 1 1 1 0 0	VGA  1  0 3 1 5 0 1 0 1 3 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1080i 3 0 3 0 13 2 1 3 0 0 1 1 0 0 0 0 1	3 0 3 0 13 1 1 3 0 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 0 1 3 0 0 0 1 0 0	Menu   Index   2	3 3 0 10 1 1 1 3 0 0
	1 2 3 4 5 6 7 8 9 10 11 12 13	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV LTMD CTLV UBOF	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3 0,1 0-3 0-7	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 1 1 0 2	1 0 3 1 5 2 1 2 0 0 0 1	2 0 3 0 8 2 1 3 0 0 0 1 0 2	480p  1  0 3 0 5 0 1 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1 0 1	1080i 3 0 3 0 13 2 1 3 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 0 3 0 13 1 1 1 3 0 0	2 0 3 0 8 2 1 3 0 0 0 1 0	1 0 3 0 5 0 1 1 1 0 0	VGA  1  0 3 1 5 0 1 0 1 3 1 0 0 0 0	1080i 3 0 3 0 13 2 1 3 0 0 1 0 0 0 0 0	3 0 3 0 13 1 1 3 0 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 1 3 0 2 2 2 2 2 2 2 2 3 3 0 2 2 2 2 2 2 2	Menu   Index   2	3 3 0 10 1 1 1 3 0 0 0
	1 2 3 4 5 6 7 8 9 10 11 12 13	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV LTMD CTLV UBOF UCOF	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3 0,1 0-3 0,1 0-7	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 1 0 2	1 0 3 1 5 2 1 2 0 0 0 1 0 2	2 0 3 0 8 2 1 3 0 0 0 1 0 2	480p  1  0 3 0 5 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0	1080i 3 0 3 0 13 2 1 3 0 0 1 1 0 1 0 1 0 0 1	3 0 3 0 13 1 1 1 3 0 0 0 1 1 0	2 0 3 0 8 2 1 3 0 0 0 1 0 0	1 0 3 0 5 0 1 1 1 0 0 0	VGA  1  0 3 1 5 0 1 0 1 3 1 0 0 2	1080i 3 0 3 0 13 2 1 3 0 0 1 0 0 0 0 0	3 0 3 0 13 1 1 1 3 0 0 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 1 3 0 2 0 2 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0	Menu   Index   2	3 3 0 10 1 1 1 3 0 0 0 1
	1 2 3 4 5 6 7 8 9 10 11 12 13	VMLV* VMCR VMLM VMF0 VMDL SHOF SHF0 PROV F1LV LTLV LTMD CTLV UBOF	0-15 0-3 0-3 0-3 0-15 0-3 0,1 0-3 0-3 0,1 0-3 0-7	Pro	1 7 * 1 3 1 5 1 1 0 0 0 0 1 1 0 2	1 0 3 1 5 2 1 2 0 0 0 1	2 0 3 0 8 2 1 3 0 0 0 1 0 2	480p  1  0 3 0 5 0 1 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1 0 1	1080i 3 0 3 0 13 2 1 3 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 0 3 0 13 1 1 1 3 0 0	2 0 3 0 8 2 1 3 0 0 0 1 0	1 0 3 0 5 0 1 1 1 0 0	VGA  1  0 3 1 5 0 1 0 1 3 1 0 0 0 0	1080i 3 0 3 0 13 2 1 3 0 0 1 0 0 0 0 0	3 0 3 0 13 1 1 3 0 0	Slide Show/ Still Picture  2  0 3 0 2 0 1 3 0 1 3 0 2 2 2 2 2 2 2 2 3 3 0 2 2 2 2 2 2 2	Menu   Index   2	3 3 0 10 1 1 1 3 0 0 0

Category	No	Item	Range	*NOT be memorize	ed				
2170P-3				Vivid	Standard	Movie	Pro		
	17	VM	0-3	3	3	1	0		
	18	VMH	0-15	15	15	12	12		
	19	VMM	0-15	10	10	8	8		
	20	VML	0-15	6	6	4	4		
				HDMI					
				VGA					
	21	VGAP	0-15	5					
	22	VGAS	0-15	0					
	23	VGAB	0-15	0					
	24	VGAC	0-15	0					
	25	VGAV	0-15	5					
						_			
2170P-4				Memory	Other				
				Stick		1			
	0	YCON	0,1	0	1	a.			
					T		I I		1
				DRC	VDO (V5&6)	VDO (HDMI)	Memory	PT	Note: PT = Pass
	1	SPIC	0-15	7	7	7	Stick 7	7	Through
	2	SCOL	0-13	31	31	31	31	31	(By pass
	3	SHUE	0-63	31	31	31	31	31	MID)
		SHOL	0-03	- 31	31	31	31	31	J27
	4	SPIO	0-15	7	Ī				
	5	SCLO	0-15	7					
	6	SHUO	0-15	7	1				
		0.1.00	0.0		ı				
				Vivid	Standard	Movie	Pro		
	7	UPIC	0-63	63	48	39	31		
	8	UBRT	0-63	31	31	31	31		
	9	UCOL	0-63	35	31	31	31		
	10	UHUE	0-63	31	31	31	31		
	11	USHP	0-63	24	29	31	31		
	12	UTMP	0-3	2	1	0	1		
L	-					-			

Category	No	Item	Range	*NOT be memorize	ed													
2170P-4				Memory	Other													
21707-4				Stick	Other													
					-													
1	13	RYR	0-15	8														
1	14	RYB	0-15	9														
1	15	GYR	0-15	9														
	16	GYB	0-15	6														
						1	ı				T				1			
1						01/0/0		V5/V6	1	Ī		ī	HDMI	ı	I	Memory S	-	4 <u>-</u> .
					RF	CV/YC	480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	Slide Show/ Still Picture	Menu Index	Twin
				Vivid	3	2	3	3	3	3	2	3	3	3	3	3	3	3
	17	GAMM	0-3	Standard	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	''	CAIIIII	0 0	Movie	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
]								_		-								
] .				GAMM=0	GAMM=1	GAMM=2	GAMM=3	Note:										
1	18	GAMS	0-15	0	8	8	8	Settings ba	ased on									
1	19	GAMR	0-15	0	4	8	12	GAMM										
1	20	GAMG	0-15	0	4	8	12	data										
1 .	21	GAMB	0-15	0	4	8	12											
						1	Т	\/F/\/O					LIDAA		1		41.1	
					DE	0)///0		V5/V6	1	1		I	HDMI	ı	ı	Memory S		l
					RF	CV/YC	480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	Slide Show/ Still Picture	Menu Index	Twin
				Vivid	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	22	BLK	0-3	Standard	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		DLIX	0 0	Movie	0	0	1	0	1	0	1	0	0	1	0	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							1	1		7								
				BLK=0	BLK=1	BLK=2	BLK=3	Note:										
1	23	DCTR	0-15	0	3	7	12	Settings ba	ased on									
1	24	APED	0-3	0	0	1	2	BLK										
	25	DSBO	0-15	7	7	7	7	data										
l	26	IDSW*	0-7	0*	1													
[	/n	ID3W	0-7	U														
,																		
				BLK=0	BLK=1	BLK=2	BLK=3	Note:		1								

Category	No	Item	Range	*NOT be memoriz	ed					
				Si	ngle					
2170P-4					MemoryStick	Others				
21701-4				Others	1080Vcomp	Others				
					VGA					
	28	ABLT	0-15	0	9	9				
			2.24		1					
	29	SPOF	0-31	0						
	-			BLK=0	BLK=1	BLK=2	BLK=3	Note:		1
	30	DPSQ	0,1	1	1	1	1	Settings based of	on BLK data	
	- 50	Di Od	0,1	'	'	<u>'</u>	'	Cettings based t	on bert data	<b>J</b>
	31	LRGB	0-15	3						
2170D-1	0	VPOS	0-63	31						
	1	VSIZ	0-63	30						
								=		
				1080Full	Others	Note:				
	2	VSZO	0-63	0	0	Used for PJ only				
	-			140° 1 . 7	0.1	7				
	3	VLIN	0-15	WideZoom 8	Others 8	<u> </u>				
	4	VSCO	0-15	10	9					
	-	V300	0-13	10	9					
	5	VCEN	0-63	31						
				<u> </u>						
				1080Vcomp	Others					
				480Vcomp						
	6	VPIN	0-63	15	15					
					1					
	7	MVPN	0-3	0						
	8	NSCO	0-63	31						
	9	HTPZ MHTZ	0-31 0-3	15 0						
	10	IVITIZ	0-3	U						
				WideZoom	Zoom	Others				
	11	ZOOM	0,1	1	1	0				
	$\vdash$		-,,,		<u>'</u>	<u> </u>	1			
				WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	Note:
	12	APSW	0,1	1	1	1	0	0	1	Data variation for
	13	ASPT	0-63	22	43	47 // 3	43 // 0	47	47 // 3	4x3 // 16x9 models
	14	SCRL	0-63	31	31	31	31	31	31	

Category	No	Item	Range	*NOT be memorize	ed			
2170D-1				WideZoom	Others			
	15	UVLN	0-15	4	0	1		
	16	LVLN	0-15	4	0	1		
						•		
2170D-2	0	HCNT	0-63	31				
				1080Full	Others			
				1080Vcomp	Others			
	1	HPOS	0-63	31	31			
				-		<u>.</u>		
				WideZoom	Others			
	2	HSIZ	0-63	49	40			
	3	SLIN	0-15	10	4			
	4	MPIN	0-15	11	10			
							-	
				WideZoom	Others	1080i		
	5	PIN	0-63	40	31	31		
								1080Vcomp
				WideZoom	Zoom	480Full	1080Full	480Vcomp
	6	PINO	0-15	7	7	7	7	7
							•	
				WideZoom	Others	1080i		
	7	UCP	0-63	31	35	35		
	8	LCP	0-63	31	35	35		
						1		1
					S420	Other HS		
				Others	1080i	Others	1080i	
	9	UXCG	0-3	1	1	0	0	
	10	LXCG	0-3	1	1	0	0	]
	11	UXCP	0-3	2	2			
	12	LXCP	0-3	2	2			
	13	XCPP	0,1	0	0	]		
						1		
				WideZoom	Others			
	14	PPHA	0-63	20	20	j		
	<u> </u>				Ì			
	15	VANG	0-63	31				
	16	LANG	0-63	31				
	17	VBOW	0-63	31				
	18	LBOW	0-63	31				

Category	No	Item	Range	*NOT be memorize	ed					
2170D-3	0	HBLK	0,1	1						
				1080Full						
				1080Vcomp	Others					
	1	LBLK	0-63	50	51					
	2	RBLK	0-63	31	27					
								1		
						480Full	480Vcomp			
				WideZoom	Zoom	1080Full	1080Vcomp			
	3	VBLK	0,1	0	0	1	1			
								T		1
				WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	Note:
	4	TBLK	0-15	12	7	2	4	10	8 // 2	Data variation for
	5	BBLK	0-15	15	7	8	6	14	13 // 8	4x3 // 16x9 models
				40005		7				
				1080Full	Others					
	6	AFCM	0-3	<b>1080Vcomp</b> 2	3					
	0	AFCIVI	0-3		აა	_				
				1080Vcomp		Note:		1		
				480Vcomp	Others	Data variation for				
	7	JUMP	0,1	1 // 0	0	4x3 // 16x9 models				
	<u> </u>		0,1	1 77 3		ine // Tene inedele				
						480Vcomp				
				WideZoom	Zoom	480Full	1080Full	1080Vcomp		
	8	VDJP	0,1	1	1	0	1	1		
						•				
				1080Vcomp	Others					
				1080Full	Others					
	9	VDST	0,1	0	0					
									_	
						480Full				
				WideZoom	Zoom	480Vcomp	1080Full	1080Vcomp		
	10	AKBT	0-31	15	15	20	16	16		

Category	No	Item	Range	*NOT be memorize									
2170D-4					S420 RC420	32HS	420	36HS	420	30HS4	20	34HS4	20
				1080Vcomp 480Vcomp	Others	1080Vcomp 480Vcomp	Others	1080Vcomp 480Vcomp	Others	1080Vcomp 480Vcomp	Others	1080Vcomp 480Vcomp	Others
	0	QPAM	0-63	36	36	25	25	22	22	33	33	45	45
	1	QPAV	0-63	44	44	40	40	40	40	46	46	47	47
	2	QPAP	0-15	6	6	6	6	6	6	6	6	6	6
	3	QPDC	0-63	22	22	17	17	17	17	29	29	42	42
	4	QPDV	0-63	52	52	52	52	52	52	59	59	63	63
	5	QPDP	0-15	6	6	6	6	6	6	6	6	6	6
	6	CPY1*	0,1	0 *	Note: Copy1 mak	es the data copying f	rom one mode to	all other modes.			]		
				27HS420 29DRC420	32HS420	36HS420	30HS420	34HS420					
	7	DF	0-63	36	36	36	40	36					
	8	DQP	0-63	37	37	37	38	37					
2170D-5	0	VFRQ	0-3	1									
	1	VON*	0,1	1*									
	2	EWDC	0,1	0									
	3	MS15	0,1	0									
	4	HFRQ	0-255	80									
	5	HFRX	0-63	25									
	6	VMPS	0,1	0									
	7	INTR	0,1	0									
	8	VLNL	0-3	0									
	9	VLNH	0-255	0									
	10	AGCS	0,1	0									

Category	No	Item	Range	*NOT be memorize	ed		
D-CONV	0	YBWU	0-63	31			
(CXA8070)	1	YBWL	0-63	31			
	2	RSAP	0-63	31			
	3	RUMB	0-63	31			
	4	RUBW	0-63	31			
	5	RLMB	0-63	31			
	6	RLBW	0-63	31			
	7	LSAP	0-63	31			
	8	LUMB	0-63	31			
	9	LUBW	0-63	31			
	10	LLMB	0-63	31			
	11	LLBW	0-63	31			
	12	CADJ	0-63	29			
	13	HVCA	0-63	55			
CXA2171				V:	5/V6	HDMI / Tin	
					T	\$6D_	
				720p	Others	Bit6:	Bit6:
	_	MTDV+	0.0	1080i	0 *	709 = 1	709 = 0
	0	MTRX*	0-3	1 *	U ^	1 *	0 *
				PT	Others	Neter	
	1	GAIN	0-3	7 7	7	Note: PT = Pass Through	
		GAIN	0-3	'	/	ri - rass illiough	
				V5	V6	HDMI	
				480i&480p	480i/480p	480i/480p	
				720p/1080i	720p/1080i	720p/1080i	Others
				No Sync	No Sync	No Sync	
	2	FIXS*	0-3	0	0	0	0
						1	
				PT	Others	1	
	3	CBGN	0-15	7	7	1	
	4	CRGN	0-15	8	8	1	
	5	YGN	0-15	8	8		
						_	
	6	VTC	0-3	0			
						_	
				Tristate=1	Tristate=0		
	7	HTC*	0,1	0 *	1 *		
	8	HWID	0-3	1			
	9	HSEP	0,1	1			

Category	No	Item	Range	*NOT be memoriz	ed				
CXA2171				V:	5/V6	HDMI / Tii \$6D	•		
				V5/V6				_	
				HDMI	Others				
				1080i					
	10	HMSK*	0,1	0 *	1 *	]			
				V5	V6	1		1	
				480i/480p	480i/480p	1			
				720p/1080i	720p/1080i	HDMI	Others		
				No Sync	No Sync				
	11	FRGB*	0,1	0	0	0	0		
MID1	0	DHPH	0-255	109					
	1	DVPH	0-63	20	ļ				
	2	DHAR	0-255	240					
	3	DVAR	0-255	135	ļ				
	4	DHPW	0-63	55					
	5	DVPW	0-7	5					
							1		ı
					ngle	Twin	Freeze	Favorites	Index
	<u> </u>	DVOD	0.00	480i	Others		0	0	•
	6	DYCD	0-63	3	0	2	2	2	2
				Table-0	Table-1	Table-2	Table-3	1	
	7	DYSD	0-7	7	4	2	1	†	
	-		<u> </u>				· · · · · · · · · · · · · · · · · · ·	1	
						gle		Favorites	Index
					'GA	Othe		VGA	VGA
				Normal	Others	Normal	Others		
	8	MDHP	0-255	174	72	156	0	40	41
								_	•
					Single	_	Favorites	Index	
				480i/480p	VGA	Others	VGA	VGA	
	9	MDVP	0-255	30	66	0	34	86	
					0:	ala		Farmita	I
					/GA	gle Othe	aro.	Favorites	Index
				Normal	Others	Normal	Others	VGA	VGA
	10	MDHS	0-255	162	204	162	240	155	119
	10	INIDIO	0-233	102	۷ <del>۵4</del>	102	<b>24</b> 0	100	113

Category	No	Item	Range	*NOT be memorize	ed			
MID1					Single		Favorites	Index
				480i/480p	VGA	Others	VGA	VGA
	11	MDVS	0-255	120	102	135	103	77
				Twin	Favorites	Index		
				Freeze				
	12	MLHP	0-255	36	31	31		
	13	MLVP	0-255	8	30	30		
					•			
				Favorites				
	14	SDHP	0-255	167				
	15	SDVP	0-255	5				
	16	SDHS	0-255	115				
	17	SDVS	0-255	79				
					•			
	18	PDHP	0-255	0				
	19	PDVP	0-255	0				
	20	PDHS	0-255	0				
	21	PDVS	0-255	0				
				4000101		7		
		DD014/	0.4	1080iSingle	Others	_		
	22	DPSW	0,1	0	0	_		
			0.00	40	1			
	23	MDLO	0-63	12				
					Single	<u> </u>	_	Ī
				Normal		MamanuCtials	Others	
	24	BCOL	0-15	Normal 1	Others 1	MemoryStick 0	1	
	24	BCUL	0-13	ı	ı	U	ı	
	25	DYSS	0-3	1				
	23	טנוע	0-3	'				
				Index	_			
	26	OSDH	0-63	32				
	27	OSDV	0-63	16				
	21	0307	0-03	10				

Category	No	Item	Range	*NOT be memoriz	ed					
MID2						6-480i	Y	C	HDM	I-480i
					Normal	Others	Normal	Others	Normal	Others
	0	DRHP	0-255	Single	153	120	154	117	153	120
	1	DRHS	0-255	Siligle	162	180	162	180	162	180
	2	DRVP	0-63		37	37	37	37	37	37
	3	DRVS	0-255		120	120	120	120	120	120
							-	-		
					480i	YC				
	0	DRHP	0-255		146	148	_			
	1	DRHS	0-255	Twin-Left	164	164				
	2	DRVP	0-63		57	57	_			
	3	DRVS	0-255		110	110	_			
						1				
					YC					
	0	DRHP	0-255		153					
	1	DRHS	0-255	Twin-Right	164					
	2	DRVP	0-63		57					
	3	DRVS	0-255		110					
	-				400:	V0	٦			
		DDUD	0.255	ł	<b>480i</b> 153	<b>YC</b> 153	4			
	1	DRHP DRHS	0-255 0-255	Freeze	162	162	4			
	2	DRVP	0-255	Fieeze	57	57	4			
	3	DRVS	0-03		110	110	-			
	-	DKV3	0-233		110	110				
					48	30i	Y	C	1	
					Full	Vcomp	Full	Vcomp	1	
	0	DRHP	0-255	Favorites	140	140	140	140		
	1	DRHS	0-255	(Main)	165	165	165	165		
	2	DRVP	0-63		37	57	37	57		
	3	DRVS	0-255		120	110	120	110		
						•				
					YC					
	0	DRHP	0-255	Favorites	153					
	1	DRHS	0-255	(Sub)	171					
	2	DRVP	0-63	(000)	28					
	3	DRVS	0-255		118					

Category	No	Item	Range	*NOT be memori	zed													
MID2					48	30i	Y	С										
					Full	Vcomp	Full	Vcomp	İ									
	0	DRHP	0-255	Index	140	140	140	140	Ì									
	1	DRHS	0-255	(Main)	165	165	165	155	Ī									
	2	DRVP	0-63		37	57	37	57										
	3	DRVS	0-255		120	110	120	110										
						_												
					YC													
	0	DRHP	0-255	Index	158													
	1	DRHS	0-255	(Sub)	162													
	2	DRVP	0-63	(Gub)	57													
	3	DRVS	0-255		110													
					1						1							
MID3						1		5/V6		٠٥'		1	100		HDMI	0.	146	
					1080i	720p	48 Normal	Others	48 Normal	Others	1080i	720p	48 Normal	Others	Normal	0i Others	VG Normal	Others
	0	VDHP	0-255	Single	107	137	200	152	76	56	107	137	200	152	76	56	170	170
	1	VDHS	0-255	og.c	240	161	216	240	162	180	240	161	216	240	162	180	229	229
	2	VDVE	0-63	1	19	24	37	37	17	17	19	24	37	37	17	17	34	34
	3	VDVS	0-255	1	135	180	120	120	60	60	135	180	120	120	60	60	120	120
							<u> </u>	_										-
					1080i	720p	480p	480i	VGA									
	0	VDHP	0-255		141	163	192	71	213									
	1	VDHS	0-255	Twin-Left	221	147	219	164	209									
	2	VDVE	0-63	1	43	54	57	27	45	]								
	3	VDVS	0-255		123	165	110	55	110									
				]	YC													
	0	VDHP	0-255	]	73													
	1	VDHS	0-255	Twin-Right	164													
	2	VDVE	0-63	]	27													
	3	VDVS	0-255		55													
					1	1	1	T	1	1								
					1080i	720p	480p	480i	VGA									
	0	VDHP	0-255	<u> </u>	151	169	200	74	212									
	1	VDHS	0-255	Freeze	218	145	216	162	208									
	2	VDVE	0-63		43	54	57	27	45									
	3	VDVS	0-255		123	165	110	55	110									

Category	No	Item	Range	*NOT be memorize	zed								
MID3					10	80i	720p	48	30p	48	30i	,	<b>V</b> GA
				F	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp
	0	VDHP	0-255	Favorites	136	136	158	184	184	68	68	169	169
	1	VDHS	0-255	(Main)	222	222	148	220	220	165	165	229	229
	2	VDVE	0-63		43	43	55	37	57	17	27	34	34
	3	VDVS	0-255		123	123	165	120	110	60	55	120	120
					•	_		-	-	-	•	='	-
					YC								
	0	VDHP	0-255	Favorites	75								
	1	VDHS	0-255	(Sub)	171								
	2	VDVE	0-63	(Gub)	13								
	3	VDVS	0-255		59	J							
					T .			•				_	
						80i	720p		30p		30i		VGA
					Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp
	0	VDHP	0-255	Index	136	136	158	184	184	68	68	169	169
	1	VDHS	0-255	(Main)	222	222	148	220	220	165	165	229	229
	2	VDVE	0-63		43	43	55	37	57	17	27	34	34
	3	VDVS	0-255		123	123	165	120	110	60	55	120	120
					YC	1							
	0	VDHP	0-255		76	4							
		VDHS	0-255	Index	162	-							
	2	VDHS	0-255	(Sub)	27	1							
	3	VDVS	0-03	ł	55	1							
	-	V D V 3	0-233		55	J							
						V5/V6					HDMI		
				YC	480i	1080i	720p	480p	480i	1080i	720p	480p	VGA
	4	VDVO	0-3	0	0	0	0	0	0	0	0	0	0
	5	VCPO	0-255	42	42	72	88	122	42	72	88	122	122
	6	VCWD	0-7	1	1	3	3	3	1	3	3	3	3
	7	VYCD	0-63	0	0	0	0	0	0	0	0	0	0
	8	VSTP	0-255	62	62	136	183	126	62	136	183	126	129
	9	VSTT	0-15	0	0	0	0	0	0	0	0	0	0
	10	VHSC	0-255	130	130	130	130	130	130	130	130	130	130
	11	VFRV	0,1	0	0	0	0	0	0	0	0	0	0

Category	No	Item	Range	*NOT be memor	ized														
MID5	0	POP	0-63	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	MHLY	0-3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	MHLC	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	MVLY	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	0-3	0	1	1	1	2	3	3	2	0	0	2	1	0	0	1	1
	6	MHYL	0-3	0	1	1	1	1	2	2	2	0	1	2	1	0	0	1	2
	7	MHYE	0-7	0	2	2	5	6	7	7	7	0	2	4	7	0	0	7	7
	8	MHYO	0,1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0
	9	MHCR	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	0-3	0	0	0	0	1	2	2	2	0	1	1	1	0	0	1	2
	14	MVYL	0-3	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	2
	15	MVYE	0-7	0	0	0	0	1	1	1	1	0	3	3	3	0	0	4	3
	16	MVCR	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	POP	0-63	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	1	MHLY	0-3	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
	2	MHLC	0-3	3	3	3	3	0	0	0	0	0	0	0	0	3	3	3	3
	3	MVLY	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	0-3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
	6	MHYL	0-3	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	2
	7	MHYE	0-7	2	2	2	7	0	4	7	7	2	4	7	7	0	0	7	7
	8	MHYO	0,1	1	1	1	1	0	0	0	1	0	0	0	0	1	1	0	0
	9	MHCR	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	10	MHCL	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	11	MHCE	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	12	MHCO	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	13	MVYR	0-3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2
	14	MVYL	0-3	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	2
	15	MVYE	0-7	0	1	1	4	0	0	4	4	0	0	4	4	0	0	4	3
	16	MVCR	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	17	MVCL	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	18	MVCE	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0

Category	No	Item	Range	*NOT be memor	ized														
MID5	0	POP	0-63	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	1	MHLY	0-3	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0
	2	MHLC	0-3	3	3	3	3	0	0	0	0	0	0	0	0	3	0	0	0
	3	MVLY	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	0-3	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	6	MHYL	0-3	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0
	7	MHYE	0-7	2	2	2	7	0	4	7	7	2	4	7	7	2	0	0	0
	8	MHYO	0,1	1	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0
	9	MHCR	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	10	MHCL	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	11	MHCE	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	12	MHCO	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	13	MVYR	0-3	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	14	MVYL	0-3	0	1	1	1	0	0	1	1	0	0	1	1	1	0	0	0
	15	MVYE	0-7	0	1	1	4	0	0	4	4	0	0	4	4	1	0	0	0
	16	MVCR	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	17	MVCL	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	18	MVCE	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
					1			_	_		1		_	_	_	1	1	1	
	0	POP	0-63	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
	1	MHLY	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	MHYL	0-3	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	7	MHYE	0-7	0	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0
	8	MHYO	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	MHCR	0-3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	0-3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	0-7	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	0-1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14	MVYL	0-3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
1	15	MVYE MVCR	0-7	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0
1		I WVCR	0-3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	16					_		,	_			_	_		^	^	^	^	,
	17	MVCL MVCE	0-3 0-7	0	0	0	1 2	1 2	0	0	0	0	0	0	0	0	0	0	0

Category	No	ltem	Range	*NOT be memori	zed
MID5				Memory	
	19	SHLY	0-7	0	1 1
	20	SHLC	0-7	0	1 1
	21	SVLY	0-7	0	1 1
	22	SVLC	0-7	0	]
	23	SHYR	0-3	0	]
	24	SHYL	0-3	0	]
	25	SHYE	0-7	0	]
	26	SHYO	0,1	0	]
	27	SHCR	0-3	0	]
	28	SHCL	0-3	0	]
	29	SHCE	0-7	0	]
	30	SHCO	0,1	0	]
	31	SVYR	0-3	0	]
	32	SVYL	0-3	0	]
	33	SVYE	0-7	0	]
	34	SVCR	0-3	0	]
	35	SVCL	0-3	0	]
	36	SVCE	0-7	0	]
CXA3506R				480i	Others
	0	MCON	0,1	64	64
	1	SCOR	0-255	128	128
	2	SCOG	0-255	128	128
	3	SCOB	0-255	128	128
	4	RGB	0-255	0	0

Category	No	Item	Range	*NOT be memo	rized													
AUDIO				27HS420 29DRC420	32HS420	36HS420	30HS420	34HS420										
	0	ASYS	0,1	0	0	0	0	0										
	1	TRCV	0-3	1	1	1	1	1										
	2	BACV	0-3	0	0	0	0	0										
	3	MDCV	0-3	0	0	2	0	0										
	4	SVHI	0-7	1	0	0	0	0										
	5	SVLO	0-7	0	0	0	0	0										
	6	MIDL	0-15	5	6	7	6	5										
	7	LOFQ	0-7	0	0	0	0	0										
	8	SBAS	0-15	10	10	10	10	11										
	9	wows	0-15	2	2	2	2	2										
	10	STRE	0-15	6	6	5	6	7										
	11	WOWC	0-15	4	4	4	4	4										
	12	PSEF	0-15	5	5	5	5	5										
	13	AGCL	0-15	9	9	9	9	9										
														Ī				
						20 & 29DRC420					32HS420					IS420		
				TruSurround	Simulated	SteadySound		Off	,	Simulated	SteadySound	1	Off	TruSurround	Simulated	SteadySound	WOW	Off
	14	BBE	0,1	1	1	1	1	1	1	1	1	1 -	1	1 -	1 -	1	1	1 -
	15	BBEP	0-7	4	4	5	5	4	4	4	5	5	4	5	5	6	6	5
	16	BBEL	0-7	4	4	4	6	4	4	4	4	6	4	4	4	4	6	4
	17	BB2P	0-7	4	4	5	5	4	4	4	5	5	4	5	5	6	6	5
	18	BB2L	0-7	4	4	4	6	4	4	4	4	6	4	4	4	4	6	4
						30HS420					34HS420			Ī				
				TruSurround			wow	Off	TruSurround		SteadySound	WOW	Off					
	14	BBE	0,1	1	3iiiulateu	1	1	1	1	3iiiuiateu	1	1	1					
	15	BBEP	0-7	3	3	4	4	3	5	5	6	6	5					
	16	BBEL	0-7	5	5	5	7	5	4	4	4	6	4					
	17	BB2P	0-7	3	3	4	4	3	5	5	6	6	5					
	18	BB2L	0-7	5	5	5	7	5	4	4	4	6	4					
			, , , , , , , , , , , , , , , , , , ,	- J		<u>_</u>	· · ·		· ·		· · ·			I				
				27HS420 29DRC420	32HS420	36HS420	30HS420	34HS420										
	19	TRS1	0-7	4	4	4	4	4										
	20	TRS2	0-7	2	2	2	2	2										

Category	No	Item	Range	*NOT be memo	rized						
SNNR	0	MODE	0-3	0	1						
	1	SNNR	0-7	0							
					<b>=</b>						
				WSLT- A	WSLT- B	WSLT- C	WSLT- D	WSLT- E	WSLT- F	WSLT- G	
	2	WSLT	0-255	15	31	45	63	85	110	127	
				SNNR=0	SNNR=1	SNNR=2	SNNR=3	SNNR=4	SNNR=5	SNNR=6	SNNR=7
	3	CPFG	0-15	0	0	1	1	2	2	2	3
	4	CPFT	0-3	0	0	0	0	0	0	0	0
	5	CCOR	0-3	0	0	1	1	1	1	1	1
	6	CHCG	0,1	0	1	1	1	1	1	1	1
	7	CAPG	0-7	0	0	0	0	0	0	0	0
	8	3SHP	0-15	0	0	1	1	2	2	2	3
	9	NYNR	0-15	0	1	2	2	3	3	4	4
	10	NCNR	0-15	0	1	2	2	3	3	4	4
	11	NYMG	0-3	0	0	0	0	0	0	0	0
	12	NCMG	0-3	0	0	0	0	0	0	0	0
	13	NYLT	0-15	0	1	1	2	3	4	6	8
	14	NYNC	0-15	0	0	2	2	3	3	4	4
	15	NYCO	0,1	0	0	1	1	1	1	1	1
	16	7SHP	0-63	0	0	1	1	3	3	3	4
	17	7YF1	0-3	0	0	1	1	2	2	2	3
	18	7LTI	0-3	0	0	0	0	0	0	0	0
	19	7CTI	0-3	0	0	0	0	0	0	0	0
	20	7VML	0-15	0	0	0	0	0	0	0	0
	21	7VMC	0-3	0	0	1	1	2	2	2	3
	22	MIDD	0-63	0	0	1	1	2	2	2	3

Category	No	Item	Range	*NOT be memorize
3DNR	0	WHCT	0-63	44
	1	NIQM	0,1	1
	2	CLPW	0-63	30
	3	CLPP	0-255	80
	4	YHBW	0-255	138
	5	YBKL	0-15	0
	6	YBKO	0,1	0
	7	MUTE	0,1	0
	8	YHBS	0-127	40
	9	CHBW	0-255	138
	10	CBKO	0-127	40
	11	CHBO	0,1	0
	12	VHBL	0-15	0
	13	UHBL	0-15	0
	14	UVDL	0-7	0
	15	YDL	0-7	0
	16	PVDI	0,1	0
	17	PHDI	0,1	0
	18	HDW	0-63	16
	19	PVDO	0,1	0
	20	PHDO	0,1	0
	21	HST	0-255	54
	22	VDL	0-15	0
	23	VDW	0-15	44
	24	NDET	0-15	1
	25	NVP	0-15	30
	26	NDTS	0-3	80
	27	HROF	0,1	138
	28	NDGW	0-15	0
	29	UOFS	0-7	1
	30	POT	0-3	0
	31	UVF	0,1	40
	32	APC	0,1	138
	33	DAP	0,1	40

Category	No	Item	Range	*NOT be mem	orized						
3DNR				Viv	rid .	Stand	lard	N	/lovie		Pro
				480i	Others	480i	Others	480i	Others	480i	Others
	34	YLV	0-15	15	15	10	10	10	10	8	8
	35	YST	0,1	0							
	36	YNT	0,1	1							
	37	YPL	0,1	1							
	38	YMV	0,1	0							
					Vivid		lard		/lovie		Pro
				480i	Others	480i	Others	480i	Others	480i	Others
	39	YCR	0-31	3	3	3	3	3	3	3	3
					<b>_</b>						
	40	vos	0-7	1							
										T	
				Viv		Stand			Movie		Pro
				480i	Others	480i	Others	480i	Others	480i	Others
	41	YMG	0-3	3	3	3	3	3	3	3	3
		\/ <b>T</b> 0	0.4		¬						
	42	YEG	0,1	1							
				Viv	::a	Ctono	la val		Acric	ī	Pro
						Stand 480i		480i	Movie		
	43	YEL	0-15	<b>480</b> i	Others 6	6	Others 6	4 <b>80</b> 1	Others 6	<b>480i</b> 6	Others 6
	44	YLM	0-13	6	6	6	6	6	6	6	6
	45	CLV	0-127	15	15	10	10	10	10	8	8
	45	CLV	0-13	10	10	10	10	10	10	O	0
	46	CNT	0,1	1	7						
	47	CPL	0,1	1	-						
	41	UFL	υ, ι	<u> </u>	1						

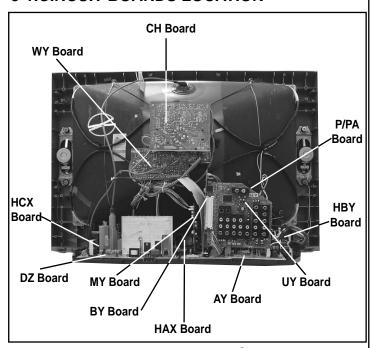
Category	No	Item	Range	*NOT be memo	orized						
3DNR				Vivi	d	Standa	ard	N	/lovie		Pro
				480i	Others	480i	Others	480i	Others	480i	Others
	48	CMG	0-3	3	3	3	3	3	3	3	3
	49	CCR	0-31	6	6	6	6	6	6	6	6
	50	CLM	0-127	6	6	6	6	6	6	6	6
	51	NVSL	0-255	20							
	52	NVSH	0,1	0							
	53	NHS	0-127	16							
	54	NVEL	0-255	244							
	55	NVEH	0,1	0							
	56	NHE	0-127	120							
				Vivi		Standa	ard	N	/lovie		Pro
				480i	Others	480i	Others	480i	Others	480i	Others
	57	YNG	0-3	3	3	3	3	3	3	3	3
	58	COR	0,1	0	0	0	0	0	0	0	0
	59	LPF	0,1	0	0	0	0	0	0	0	0
	60	YLT	0-15	0	0	0	0	0	0	0	0
	61	YNC	0-15	15	15	10	10	10	10	8	8
	62	YCO	0,1	0	0	0	0	0	0	0	0
					-						
	63	ADTH	0,1	0							
					7						
HDMI	0	WP	0,1	0 *	4						
	1	INP	0~3	1	4						
	2	INFO	0,1	0 *	_						
		DI VII	0.04	4	1						
OP	0	DLY1	0-31	4	_						
	1	DLY2	0-31	12	4						
	2	DLY3	0-15	7	4						
	3	OSDH	0-255	20	_						
		LIDDT	0.4	4	Note: OVA	2470.0-#:	1				
	4	HDPT	0,1	1	Note: CXA2	2170 Setting	j				
	5	MSBG	0-255	0	1						
	6	AACK*	0-255	0 2	1						
	7		0-3	0 *	-						
	/	RAMW*	U-3	U "							

### 4-5. ID MAP TABLE

Category	No	Item	Range	*NOT be memo	rized														
ID					DA4-2004HS (4x3) Models									DA4-2004HS (16x9) Models					
				KV-27H	KV-27HS420 KV-29DRC420 KV-32HS420 KV-36HS420							KV-30HS420			KV-34HS	420			
				US	CND	North	South	US	CND	US	CND	HAW	US	CND	HAW	US	CND		
	0	ID0	0-255	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
	1	ID1	0-255	217	217	217	217	217	217	217	217	217	217	217	217	217	217		
	2	ID2	0-255	239	239	239	239	239	239	239	239	239	239	239	239	239	239		
	3	ID3	0-255	106	90	202	202	106	90	106	90	106	106	90	106	106	90		
	4	ID4	0-255	195	195	195	195	195	195	195	195	195	195	195	195	195	195		
	5	ID5	0-255	240	240	240	240	240	240	240	240	240	240	240	240	240	240		
	6	ID6	0-255	176	176	176	176	176	176	176	176	176	176	176	176	176	176		
	7	ID7	0-255	16	16	80	80	16	16	16	16	16	17	17	17	17	17		

#### **SECTION 5: DIAGRAMS**

#### 5-1.CIRCUIT BOARDS LOCATION



#### 5-2.PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms.  $k\Omega=1000\Omega$ ,  $M\Omega=1000k\Omega$ 

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

 $^{1}/_{4}$  W in resistance,  $^{1}/_{10}$  W and  $^{1}/_{16}$  W in chip resistance.

: nonflammable resistor

: fusible resistor  $\Delta$ : internal component

: panel designation and adjustment for repair

 $\perp$ : earth ground

+ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a 10M $\Omega$  digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibility.

∎: B+line.

: B-line. (Actual measured value may be different). : signal path. (RF)

Circled numbers are waveform references.

The components identified by shading and  $extstyle \Delta$  symbol are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole findique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

The components identified by 

in this basic schematic diagram

in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by A and repeat the adjustment until the specified value is achieved.

When replacing the parts listed in the table below, it is important to perform the related adjustments.

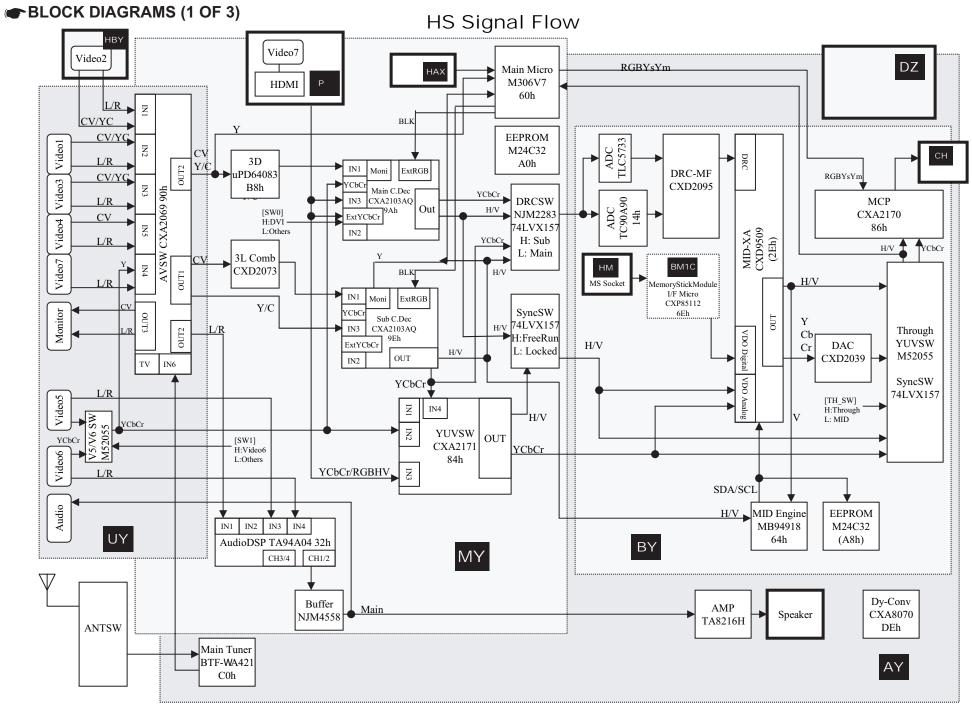
Adjustment (█)
HV ADJUST
No HV Adjustment Required

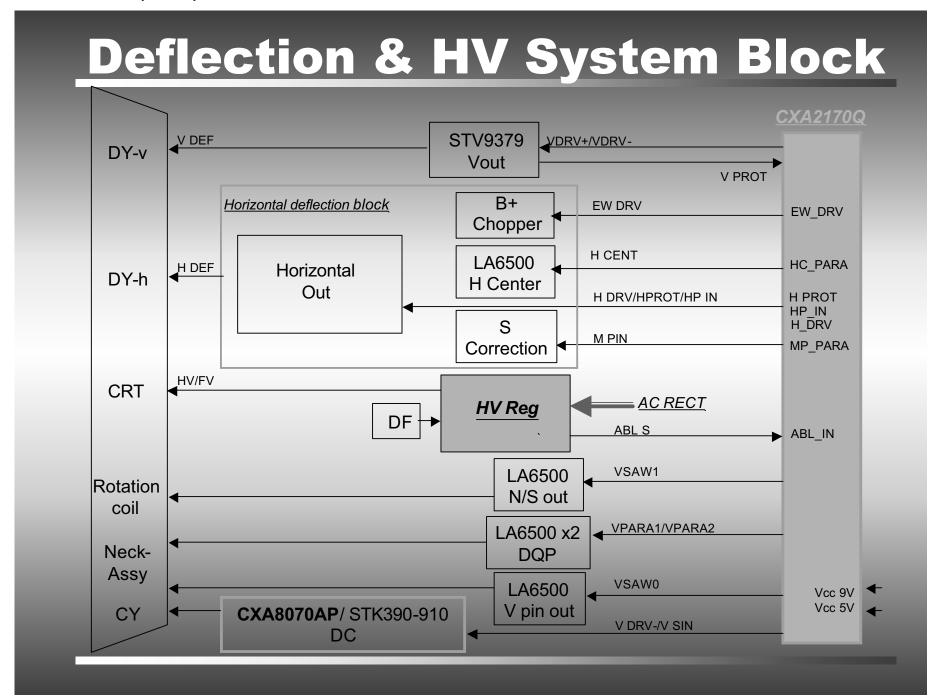
#### REFERENCE INFORMATION

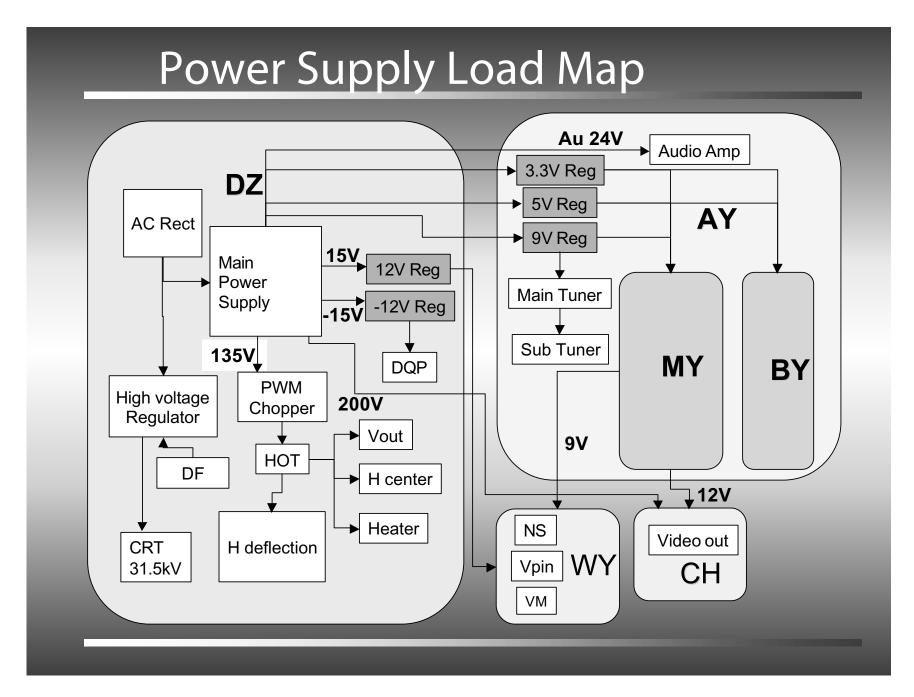
: LF-8L MICRO INDUCTOR

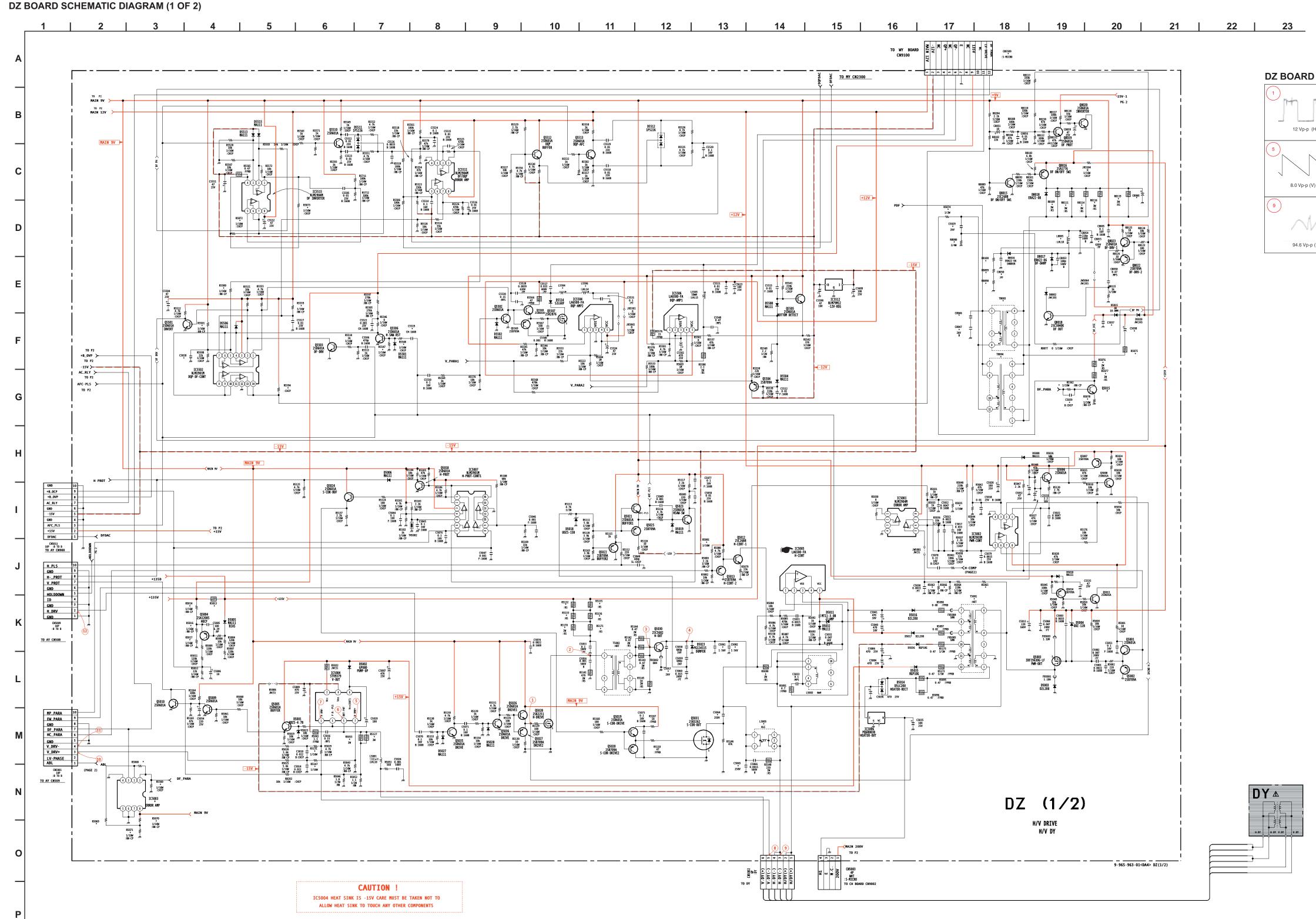
RESIST	OR	CAPACITOR						
: RN	METAL FILM	: TA	TANTALUM					
: RC	SOLID	: PS	STYROL					
: FPRD	NONFLAMMABLE CARBON	: PP	POLYPROPYLENE					
: FUSE	NONFLAMMABLE FUSIBLE	: PT	MYLAR					
: RW	NONFLAMMABLE WIREWOUND	: MPS	METALIZED POLYESTER					
: RS	NONFLAMMABLE METAL OXIDE	: MPP	METALIZED POLYPROPYLENE					
: RB	NONFLAMMABLE CEMENT	: ALB	BIPOLAR					
: 💥	ADJUSTMENT RESISTOR	: ALT	HIGH TEMPERATURE					
		: ALR	HIGH RIPPLE					
COIL								

#### 5-3. BLOCK DIAGRAMS

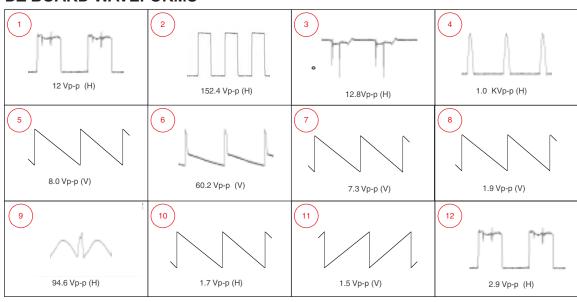






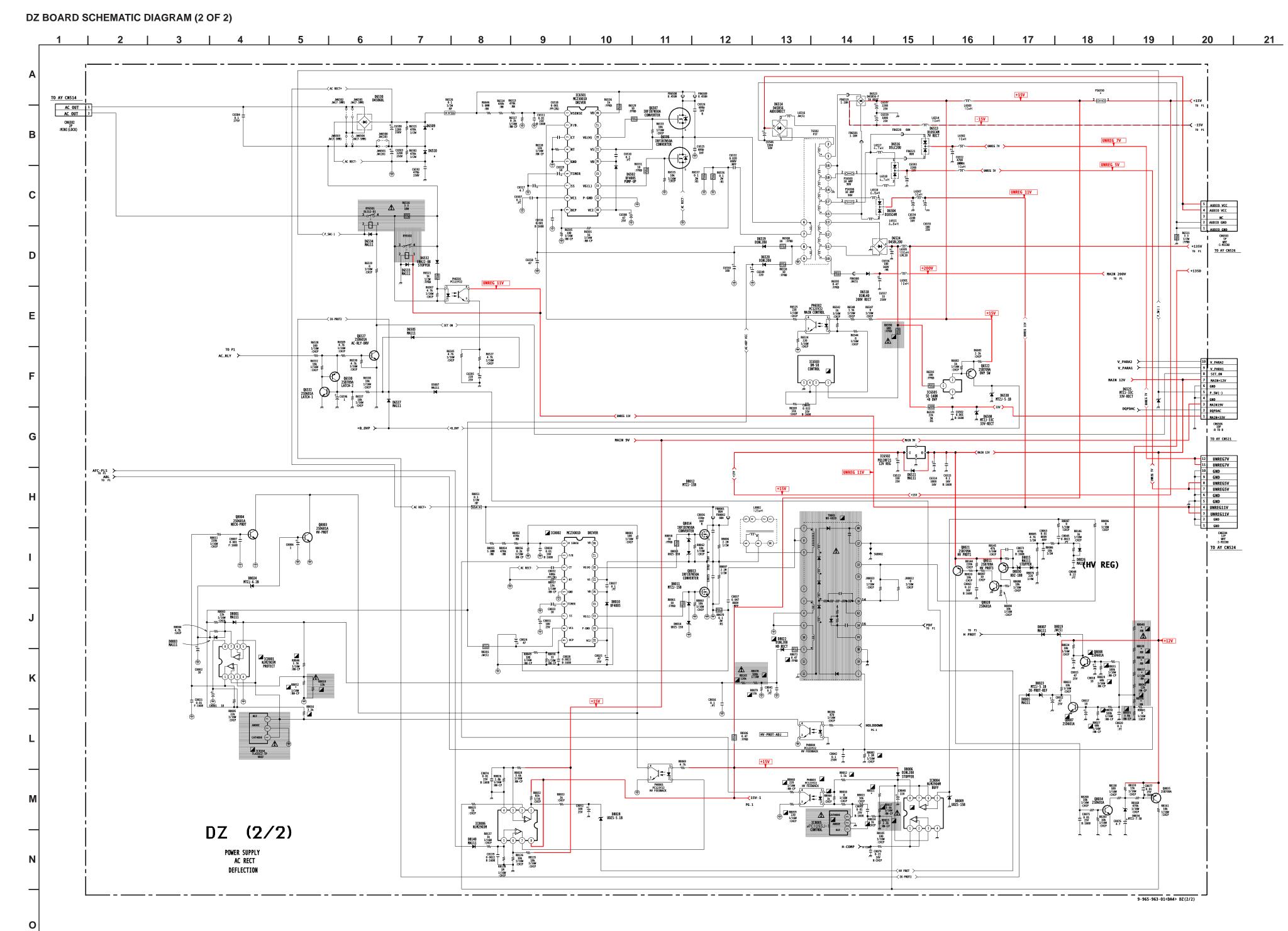


## DZ BOARD WAVEFORMS



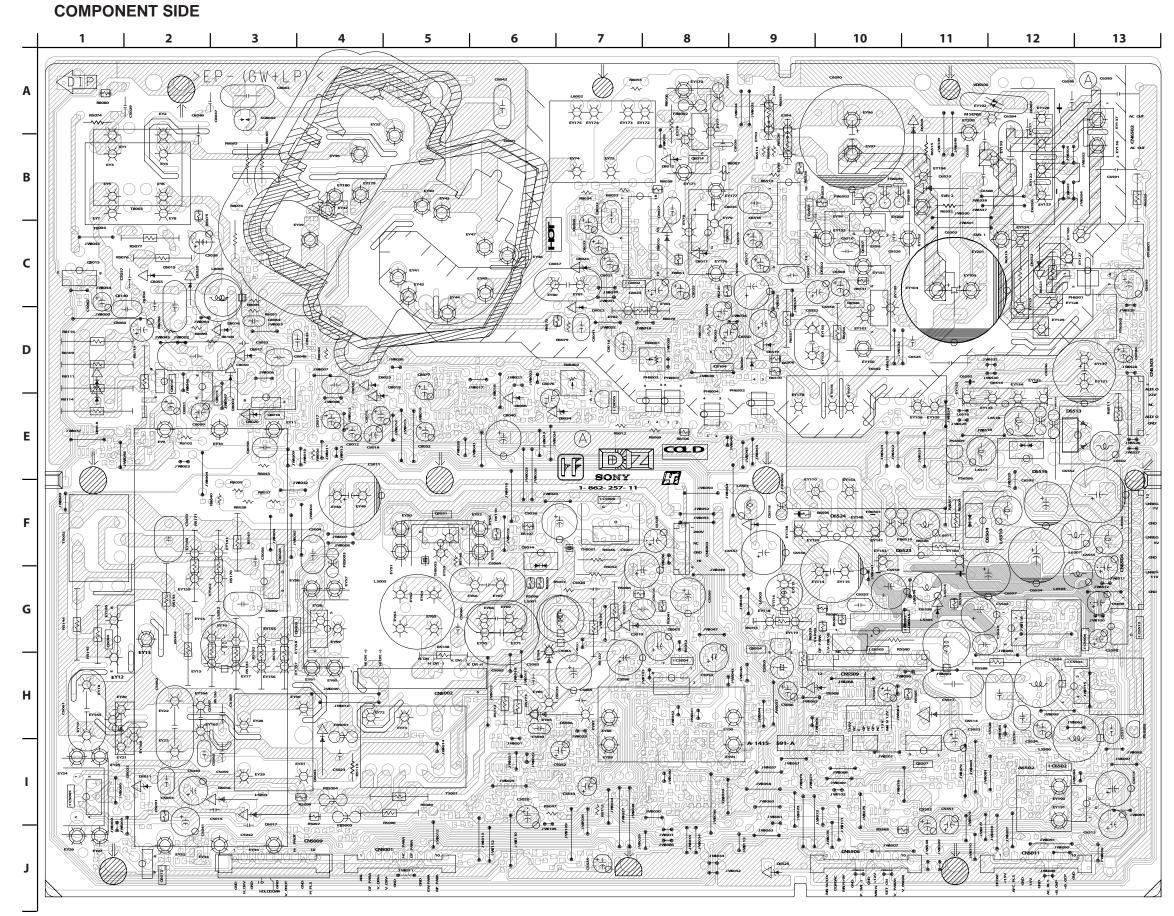
### DZ BOARD IC VOLTAGE LIST

105	001	IC5	006	IC5	506	6	0.0	3	2.2
PIN	VOLT	PIN	VOLT	PIN	VOLT	7	4.6	4	2.5
1	10.9		7.7	1	1.0	8	17.9	5	GND
2	10.9	0	6.3	2	1.0	9	0.0	6	0.0
3	N/C	G	GND	3	-15.8	10	10.5	7	4.6
4	GND	VC	N/C	4	1.7	11	GND	8	17.9
5	3.9		007	5	12.0	12	4.8	9	0.0
6	3.9	PIN	VOLT		511	13	N/C	10	10.5
7	4.7	1	2.4	PIN	VOLT	14	151.8	11	GND
8	12.0	2	0.7	1	4.0	15	142.2	12	4.8
IC5		3	9.0	2	5.8	16	146.3	13	N/C
PIN	VOLT	4	1.6	3	5.8	17	N/C	14	151.8
1	5.6	<del></del>	GND	4	GND	18	306.1	15	142.2
	-		<del></del>		+				
2	2.6	6	3.9	5	2.6		502	16	146.3
3	5.9	7	2.7	6	2.6	PIN	VOLT	17	N/C
4	GND	8	0.4	7	7.6	I	15.0	18	306.1
5	5.1	9	3.0	8	12.0	0	12.0		004
6	5.6	10	N/C		512	G	GND	PIN	VOLT
7	4.8	11	N/C	PIN	VOLT	4	N/C	1	6.9
8	12.0	12	GND	<u> </u>	-15.0		503	2	6.9
IC5		13	N/C	0	-12.0	PIN	VOLT	3	6.9
PIN	VOLT	14	0.7	G	GND	1	133.8	4	GND
1	4.7		502		515	2	N/C	5	6.9
2	3.9	PIN	VOLT	PIN	VOLT	3	2.5	6	6.9
3	3.9	1	6.9	1	0.0	4	11.0	7	6.9
4	GND	2	0.5	2	0.0	5	GND	8	15.0
5	GND	3	12.0	3	0.0		505		005
6	GND	4	2.7	4	-11.9	PIN	VOLT	PIN	VOLT
7	GND	5	3.7	5	6.0	1	134.4	1	2.5
8	9.0	6	2.6	6	6.0	2	15.4	2	GND
IC5	004	7	4.4	7	6.0	3	GND	3	9.9
PIN	VOLT	8	N/C	8	9.0	IC8	001	IC8	8006
1	1.2	9	2.6	IC6	500	PIN	VOLT	PIN	VOLT
2	14.1	10	2.6	PIN	VOLT	1	0.1	1	0.0
$\overline{}$	-13.1	11	N/C	I	15.0	2	2.5	2	2.5
3	10.1							3	2.2
3 4		12	GND I	0	12.0	3	2.1		
	-15.3 0.0		GND 0.7	<u>O</u> G	GND	3	2.1 GND	4	GND
4 5	-15.3	12	<del>                                     </del>		GND		GND	4	GND 7.5
4	-15.3 0.0 14.6	12 13 14	0.7 0.7	G 4	GND N/C	4 5	GND 2.3	4 5	7.5
4 5 6 7	-15.3 0.0 14.6 1.2	12 13 14 IC5	0.7 0.7 <b>504</b>	G 4	GND N/C 501	4 5 6	GND 2.3 2.5	4 5 6	7.5 4.5
4 5 6 7	-15.3 0.0 14.6 1.2 <b>005</b>	12 13 14 IC5 PIN	0.7 0.7 <b>504</b> <b>VOLT</b>	G 4 IC6 PIN	GND N/C 501 VOLT	4 5 6 7	GND 2.3 2.5 0.0	4 5 6 7	7.5 4.5 14.8
4 5 6 7 IC5	-15.3 0.0 14.6 1.2 005 VOLT	12 13 14 IC5 PIN 1	0.7 0.7 <b>504</b> <b>VOLT</b> 1.6	G 4 IC6 PIN 1	GND N/C 501 VOLT 2.8	4 5 6 7 8	GND 2.3 2.5 0.0 17.5	4 5 6 7 8	7.5 4.5 14.8 15.0
4 5 6 7 IC5 PIN 1	-15.3 0.0 14.6 1.2 005 VOLT 99.4	12 13 14 IC5 PIN 1	0.7 0.7 <b>504</b> <b>VOLT</b> 1.6 1.6	G 4 IC6 PIN 1 2	GND N/C 501 VOLT 2.8 1.8	4 5 6 7 8	GND 2.3 2.5 0.0 17.5	4 5 6 7 8	7.5 4.5 14.8 15.0
4 5 6 7 IC5 PIN 1 2	-15.3 0.0 14.6 1.2 005 VOLT 99.4 99.1	12 13 14 IC5 PIN 1 2 3	0.7 0.7 <b>504</b> <b>VOLT</b> 1.6 1.6 GND	G 4 IC6 PIN 1 2 3	GND N/C 501 VOLT 2.8 1.8 2.2	4 5 6 7 8 IC8	GND 2.3 2.5 0.0 17.5 0002 VOLT	4 5 6 7 8 IC8	7.5 4.5 14.8 15.0 104 VOLT
4 5 6 7 IC5 PIN 1 2 3	-15.3 0.0 14.6 1.2 005 VOLT 99.4 99.1 94.6	12 13 14 IC5 PIN 1 2 3 4	0.7 0.7 <b>504</b> <b>VOLT</b> 1.6 1.6 GND 5.4	G 4 IC6 PIN 1 2 3 4	GND N/C 501 VOLT 2.8 1.8 2.2 2.5	4 5 6 7 8 IC8 PIN 1	GND 2.3 2.5 0.0 17.5 002 VOLT 2.6	4 5 6 7 8 IC8 PIN 1	7.5 4.5 14.8 15.0 3104 VOLT 2.5
4 5 6 7 IC5 PIN 1 2	-15.3 0.0 14.6 1.2 005 VOLT 99.4 99.1	12 13 14 IC5 PIN 1 2 3	0.7 0.7 <b>504</b> <b>VOLT</b> 1.6 1.6 GND	G 4 IC6 PIN 1 2 3	GND N/C 501 VOLT 2.8 1.8 2.2	4 5 6 7 8 IC8	GND 2.3 2.5 0.0 17.5 0002 VOLT	4 5 6 7 8 IC8	7.5 4.5 14.8 15.0 104 VOLT



## DZ BOARD TRANSISTOR VOLTAGE LIST

	В	С	E		В	С	E		D	G	S
Q5001	4.8	12	4.9	Q5505	0.4	9.0	0.0	Q5003	10.9	128.8	135.0
Q5002	4.8	GND	4.9	Q5506	0.0	2.7	GND	Q5028	63.9	3.8	GND
Q5004	133.3	3.7	132.7	Q5510	0.7	8.3	0.8	Q5031	14.6	2.1	GND
Q5005	0.0	14.1	0.2	Q5512	4.4	12.0	3.8	Q5507	10.5	6.9	GND
Q5006	11.2	12.0	10.7	Q5513	1.3	8.7	4.2	Q6506	140.1	4.8	GND
Q5007	11.4	12.1	12.0	Q5568	6.9	12.0	7.0	Q6507	305.6	145.1	140.1
Q5008	0.7	0.0	GND	Q5569	6.9	0.0	7.0	Q8013	136.0	4.5	GND
Q5009	0.0	0.0	GND	Q6522	15.4	0.0	15.4	Q8014	305.0	131.0	136.0
Q5010	0.1	0.8	GND	Q6527	0.8	0.1	GND			All volta	ages are in V
Q5011	0.0	0.0	GND	Q6530	3.2	0.0	3.2				
Q5012	3.4	97.5	2.9	Q6532	0.0	3.2	GND				
Q5013	2.8	GND	3.4	Q8003	0.1	2.6	GND				
Q5014	8.9	0.0	9.0	Q8004	0.1	2.6	GND				
Q5015	2.1	105.0	1.5	Q8007	0.6	0.1	GND				
Q5018	0.7	0.0	GND	Q8008	0.6	0.1	GND				
Q5019	2.2	9.0	2.1	Q8011	11.9	0.0	12.0				
Q5020	2.2	GND	2.1	Q8015	0.6	0.0	GND				
Q5021	0.9	9.0	1.3	Q8016	132.6	132.4	133.3				
Q5022	0.6	GND	1.2	Q8018	0.0	86.6	GND				
Q5023	0.2	3.9	GND	Q8019	0.6	0.0	GND				
Q5024	2.4	9.0	2.2	Q8020	0.0	0.6	GND				
Q5025	0.9	-15.0	1.3	Q8021	11.7	0.0	12.0				
Q5026	3.8	9.0	3.8	Q8022	3.4	GND	3.5				
Q5027	3.8	0.0	3.8	Q8023	3.4	9.0	3.5				
Q5030	0.0	84.3	GND	Q8028	0.0	11.7	GND				
Q5035	0.0	2.1	GND	Q8034	0.0	12.0	GND				
Q5036	0.2	3.8	GND	Q8035	11.6	2.5	12.0				
Q5501	0.5	3.4	GND								
Q5502	0.0	6.9	GND								
Q5503	0.0	0.5	GND								
Q5504	0.2	-12.0	0.8								

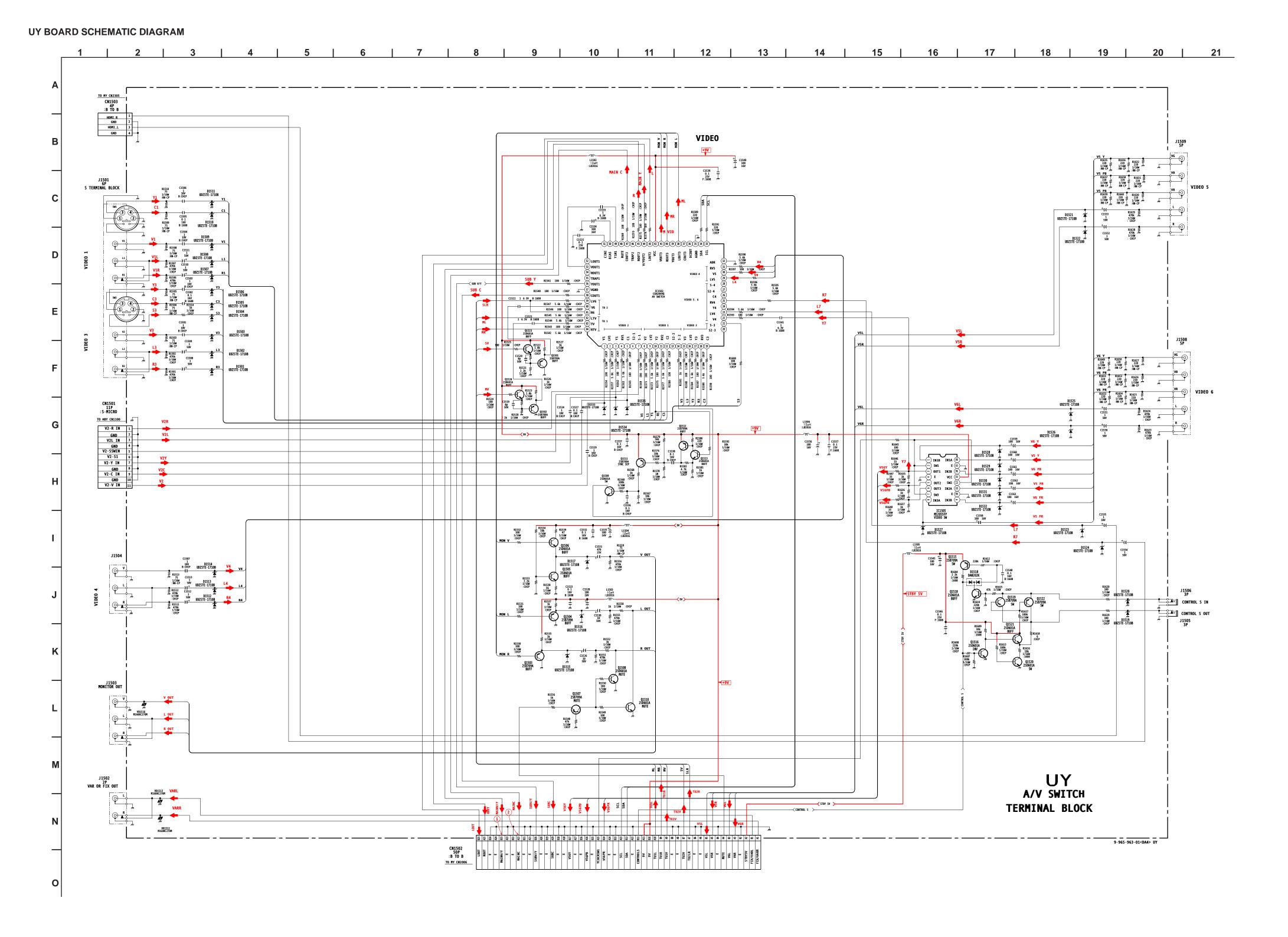


#### DZ BOARD LOCATOR LIST

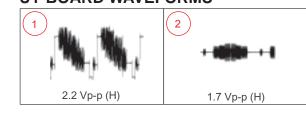
DIC	DE	DIC	DE	TRANS	ISTOR
D5001	F-7	D8003	C-6	Q5009	G-6
D5002	G-7	D8005	E-9	Q5010	G-6
D5003	H-10	D8006	D-8	Q5011	J-8
D5004	G-11	D8007	E-9	Q5011	J-12
D5005	G-5	D8009	D-8	Q5012	J-13
D5005	I-6	D8010	C-6	Q5013	J-8
D5007	E-9	D8010	C-6	Q5014 Q5015	C-13
D5007	I-8	D8011	B-6	Q5018	J-6
D5008	J-7	D8012	B-6	Q5018 Q5019	F-8
D5010	I-12	D8013	B-5	Q5019 Q5020	F-8
D5011	F-8	D8015	B-11	Q5020	H-6
D5015	C-12	D8016	D-10	Q5021	I-7
D5016	I-11	D8017	D-11	Q5022	H-5
D5017	I-11	D8018	E-13	Q5024	H-6
D5017	H-7	D8019	D-10	Q5025	H-5
D5019	H-6	D8022	C-7	Q5026	H-7
D5023	H-13	D8023	D-10	Q5027	H-6
D5027	I-9	D8023	C-7	Q5027	F-11
D5027	H-7	D8024	D-10	Q5020 Q5030	G-12
D5028	I-12	D8028	E-9	Q5030 Q5031	G-12 F-9
D5035	H-8	D8030	B-11	Q5035	H-9
D5036	H-8	D8034	E-7	Q5036	H-7
D5501	H-5	D8140	G-6	Q5501	I-4
D5502	H-4		C	Q5502	H-4
D5504	G-1	IC5001	I-9	Q5502 Q5503	H-4
D5504	H-5	IC5001	I-8	Q5503 Q5504	G-1
D5508	G-1	IC5002	E-13	Q5505	G-1
D5508	I-3	IC5003	G-6	Q5506	H-5
D5511	I-3	IC5004	I-13	Q5507	H-3
D5512	I-2	IC5005	F-7	Q5510	H-3
D5514	H-3	IC5007	I-6	Q5510 Q5512	I-1
D5515	I-4	IC5502	H-5	Q5512 Q5513	I-2
D6502	C-4	IC5504	H-2	Q5568	H-4
D6504	F-3	IC5506	G-3	Q5569	H-4
D6505	C-1	IC5511	H-2	Q6506	C-4
D6508	H-5	IC5512	G-1	Q6507	C-4
D6509	A-3	IC5515	1-4	Q6522	G-3
D6510	B-3	IC6501	C-5	Q6527	C-1
D6513	D-2	IC6502	J-1	Q6530	D-1
D6514	D-3	IC6503	F-4	Q6532	D-1
D6516	E-2	IC6505	G-4	Q8003	B-7
D6518	F-5	IC8001	D-6	Q8004	C-7
D6519	D-5	IC8002	C-6	Q8007	D-9
D6520	D-5	IC8004	E-9	Q8008	E-10
D6521	I-1	IC8005	D-7	Q8011	B-11
D6523	F-4	IC8006	E-9	Q8013	B-6
D6524	F-4	IC8104	D-6	Q8014	A-6
D6525	F-4		ISTOR	Q8015	D-12
D6530	A-2	Q5001	F-11	Q8016	D-12
D6532	B-2	Q5002	F-11	Q8018	D-11
D6533	C-1	Q5003	G-10	Q8019	E-12
D6534	C-1	Q5004	G-5	Q8020	E-12
D6537	H-5	Q5005	F-6	Q8021	C-11
D6538	G-3	Q5006	H-8	Q8022	D-11
D8001	D-6	Q5007	H-7	Q8023	D-10
D8002	D-11	Q5008	I-7	Q8028	C-11
	- ''	2000		Q8034	D-8
					D-0

# 

	1	1	2		3	4		5	6	7		8	9	10	11	12	13	J □
A	Coolin Ac Cur	ON-502	Come Come	- Verification of the control of the	in the state of th				Grant Grant	, L8002			10 June 1	THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT	DER-(G)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
В	nesso   The state of the state	Frvesor1			100 ST 10	1000		macan parameters and the control parameters and			R8054 9001 C8003			Tuning 1	0000 0000 0000 0000 0000 0000 0000 0000 0000	Tac		
C			near Tourish T	No.510		Gross ———————————————————————————————————					9037 9037 22 23 8079	DBOOD	1 T9001					
E	\$ \$ 4 8 \$ cosess.	DS513	Table DESTA	B5514		Teso				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							Residence in the control of the cont	
F	35 35 35 35 35 35 35 35 35 35 35 35 35 3	18502 19602 19602 19602 19602		100000			100 100 100 100 100 100 100 100 100 100	Timedo I	0000000	COOK A COOK AND A COOK	Period Property Control of the Contr		1 2000 p		nacion la la la la la la la la la la la la la	J18504		
G	(100 to 100 to 1			15574 15581 15578 15581 15581 15581 15581 15582	16514 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0000		Research Control of the Control of t		COO   COO	Norman Comment of the	uori)	Page CODY CREECE	11 TO TO TO TO TO TO TO TO TO TO TO TO TO			8111	
Н	F84560			1 000 000 000 000 000 000 000 000 000 0	5514 5534 5534 5534 553 553 553 553 553 553						10	1000 TO TO TO TO TO TO TO TO TO TO TO TO TO	1 150() 1 15 (D) 1 15		10 L5003	30399 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
J					I I I I I I I I I I I I I I I I I I I		1000					49	1005 1007 100 100 100 100 100 100 100 100 10	FESCOA  FESCOA	00015 00000 00000 00000 00000 00000 00000 0000	Cook   100		



## UY BOARD WAVEFORMS



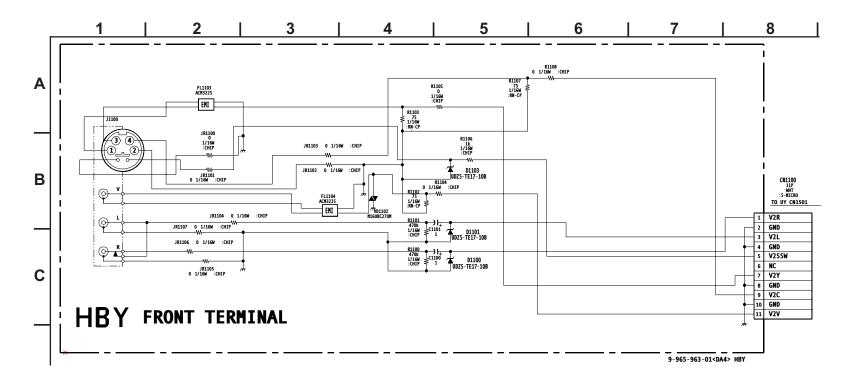
## UY BOARD IC VOLTAGE LIST

IC1	502	21	4.9	43	4.5	IC1	505
PIN	VOLT	22	3.9	44	4.3	PIN	VOLT
1	3.9	23	4.5	45	4.5	1	4.7
2	4.5	24	N/C	46	N/C	2	0.0
3	3.9	25	4.5	47	4.4	3	3.2
4	4.5	26	N/C	48	N/C	4	GND
5	4.5	27	N/C	49	4.9	5	3.2
6	N/C	28	N/C	50	4.5	6	3.2
7	4.9	29	4.5	51	4.5	7	0.0
8	4.3	30	3.9	52	N/C	8	4.6
9	4.5	31	4.5	53	4.4	9	4.6
10	3.9	32	GND	54	N/C	10	GND
11	4.5	33	4.6	55	N/C	11	4.7
12	4.5	34	4.6	56	4.1	12	0.0
13	N/C	35	GND	57	GND	13	9.0
14	4.9	36	N/C	58	4.4	14	4.7
15	3.9	37	N/C	59	4.5	15	GND
16	4.5	38	4.5	60	5.0	16	4.7
17	3.9	39	N/C	61	4.5	All volta	iges are in V
18	4.5	40	4.5	62	4.5		
19	4.5	41	4.4	63	4.9		
20	N/C	42	9.0	64	4.5		

## UY BOARD TRANSISTOR VOLTAGE LIST

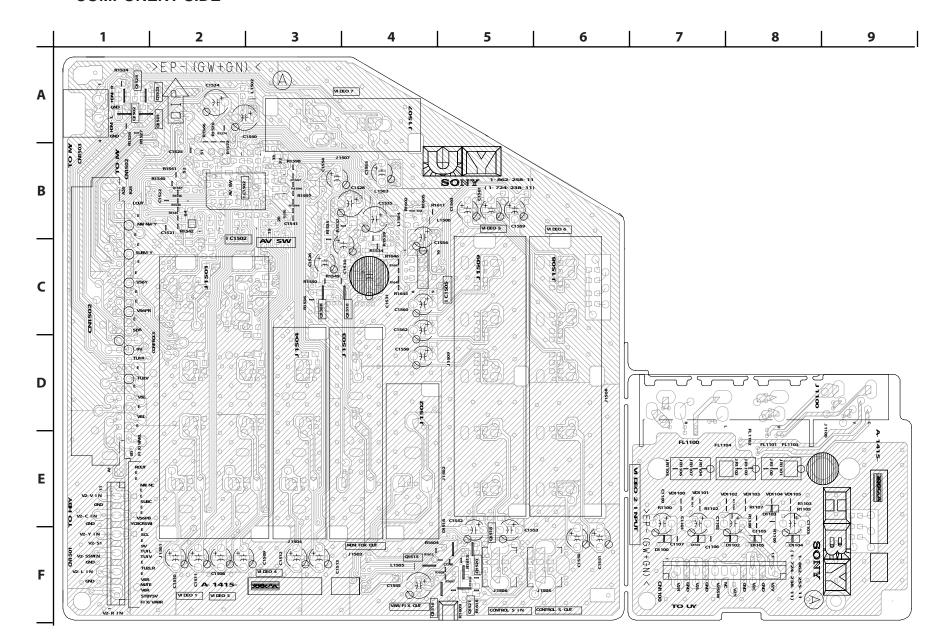
	1		
	В	С	E
Q1501	2.0	GND	2.7
Q1502	3.3	GND	4.0
Q1503	4.5	GND	5.2
Q1504	4.5	GND	5.2
Q1505	1.6	3.7	0.9
Q1506	4.4	8.3	3.8
Q1507	0.0	0.0	0.0
Q1508	0.0	0.0	GND
Q1509	0.0	4.9	GND
Q1510	0.0	0.0	GND
Q1511	8.5	0.0	9.0
Q1512	8.4	5.3	9.0
Q1513	3.8	8.4	3.2
Q1515	4.9	4.2	5.0
Q1516	0.6	0.1	GND
Q1518	0.0	4.9	GND
Q1519	5.0	0.0	0.0
Q1520	0.6	0.0	GND
Q1521	0.1	5.0	0.0
Q1522	5.0	0.0	0.0
Q1523	4.5	9.0	3.9
Q1524	6.5	9.0	3.9
		All volta	ages are in V

#### **HBY BOARD SCHEMATIC DIAGRAM**





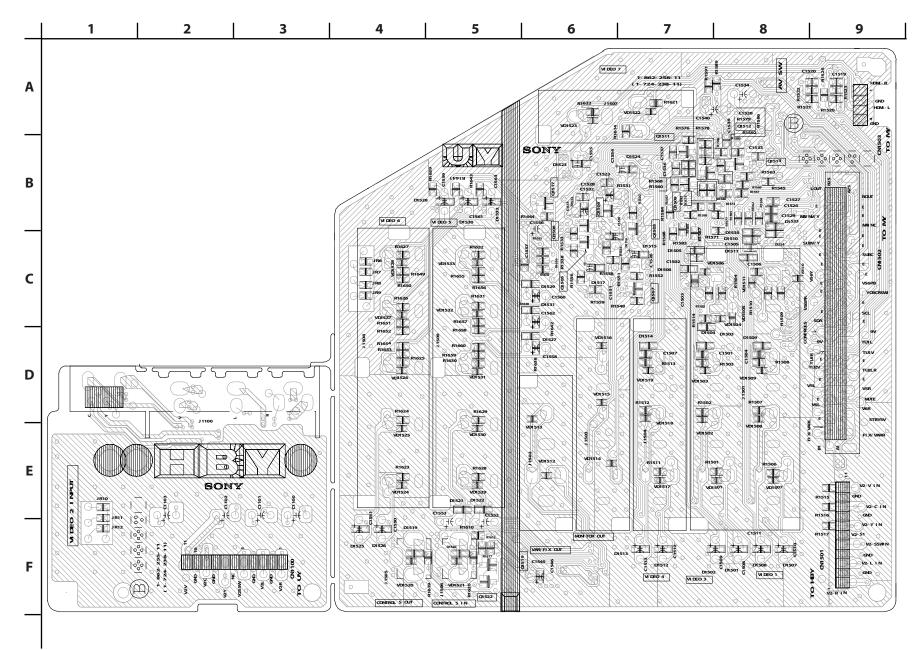




## UY BOARD LOCATOR LIST COMPONENT SIDE

Ξ	TRANSIS	TOR
E-5	Q1501	A-2
	Q1502	A-1
B-2	Q1508	C-3
C-5	Q1510	C-4
	Q1515	F-4
	Q1516	F-4
	Q1518	E-5
	Q1520	F-5
	Q1521	F-5
	Q1523	A-2
	Q1524	A-1
	E-5 B-2	E-5 Q1501 Q1502 B-2 Q1508 C-5 Q1510 Q1515 Q1516 Q1518 Q1520 Q1521 Q1523

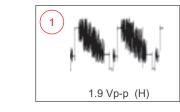




## UY BOARD LOCATOR LIST CONDUCTOR SIDE

DIODE		DIODE		DIODE	
D1501	F-8	D1510	C-8	D1520	F-5
D1502	F-7	D1511	C-8	D1521	E-5
D1503	D-8	D1512	F-7	D1522	E-5
D1504	D-7	D1513	F-7	D1523	B-6
D1505	C-7	D1514	D-3	D1524	B-7
D1506	C-7	D1515	C-7	D1525	F-4
D1507	F-8	D1516	C-7	D1526	F-4
D1508	F-8	D1517	C-6	D1527	D-6
D1509	D-8	D1519	F-4	D1528	B-5
DIODE		TRANSIS	TOR		
D1529	C-6	Q1503	F-5		
D1530	C-5	Q1504	B-6		
D1531	C-6	Q1505	C-6		
D1532	B-5	Q1506	C-6		
D1533	E-8	Q1507	C-7		
D1534	C-8	Q1509	C-7		
D1535	C-8	Q1511	B-7		
		Q1512	B-8		
		Q1513	B-8		
		Q1519	F-6		
		Q1522	F-5		

#### AY BOARD WAVEFORM



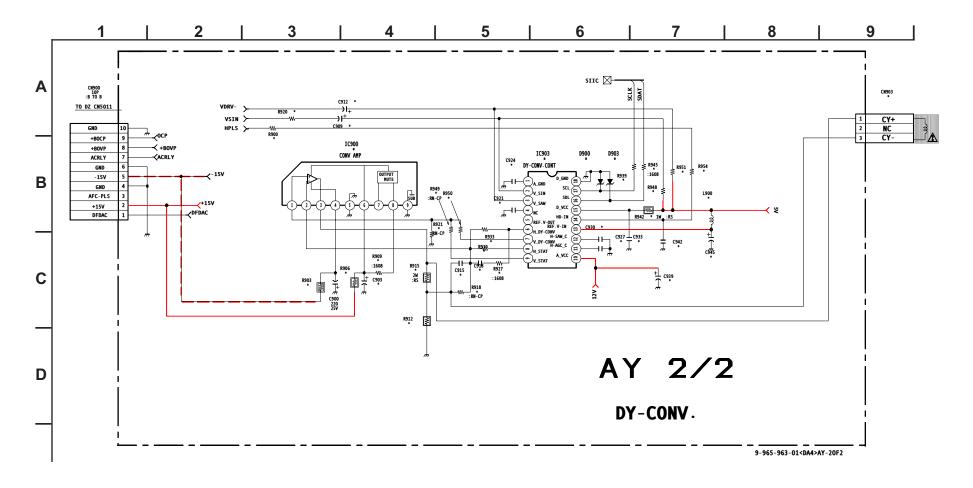
#### AY BOARD IC VOLTAGE LIST

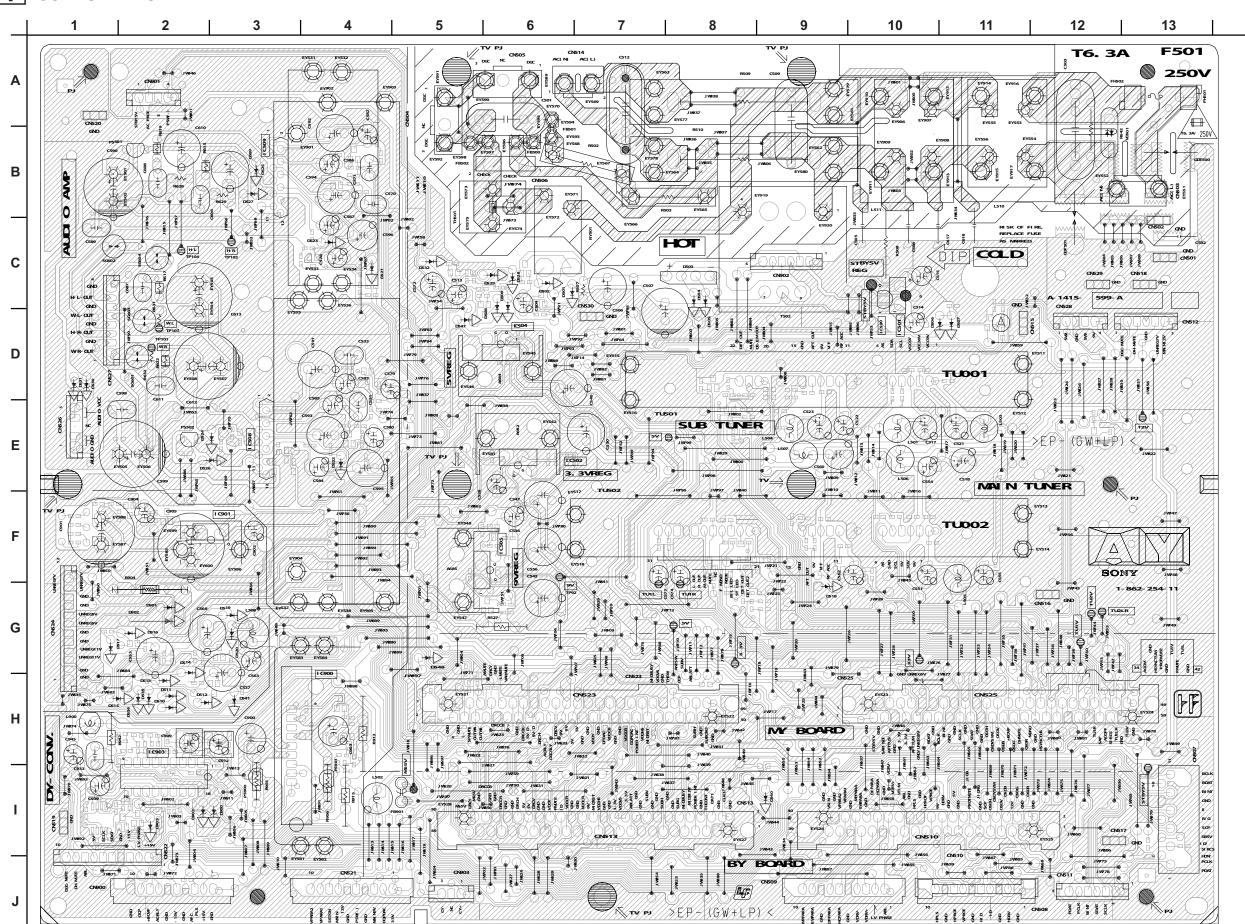
IC	501	IC	508	8	3.3
PIN	VOLT	PIN	VOLT	9	GND
ı	7.0	1	1.6	IC	903
0	5.0	2	0.1	PIN	VOLT
GND	GND	3	GND	1	4.9
IC:	502	4	0.1	2	4.9
PIN	VOLT	5	1.6	3	4.9
1	5.0	6	7.9	4	4.9
0	3.3	7	11.0	5	N/C
GND	GND	8	5.1	6	5.0
4	3.4	9	24.0	7	5.0
IC:	504	10	0.0	8	5.0
PIN	VOLT	11	4.4	9	5.0
I	7.0	12	10.6	10	12.0
0	5.0	ICS	900	11	4.5
GND	GND	PIN	VOLT	12	5.0
4	N/C	1	3.3	13	5.0
IC:	505	2	3.3	14	1.2
PIN	VOLT	3	0.1	15	5.0
I	11.0	4	-15.7	16	4.6
0	9.0	5	GND	17	4.6
GND	GND	6	15.3	18	GND
4	2.3	7	N/C	All volta	ges are in V.

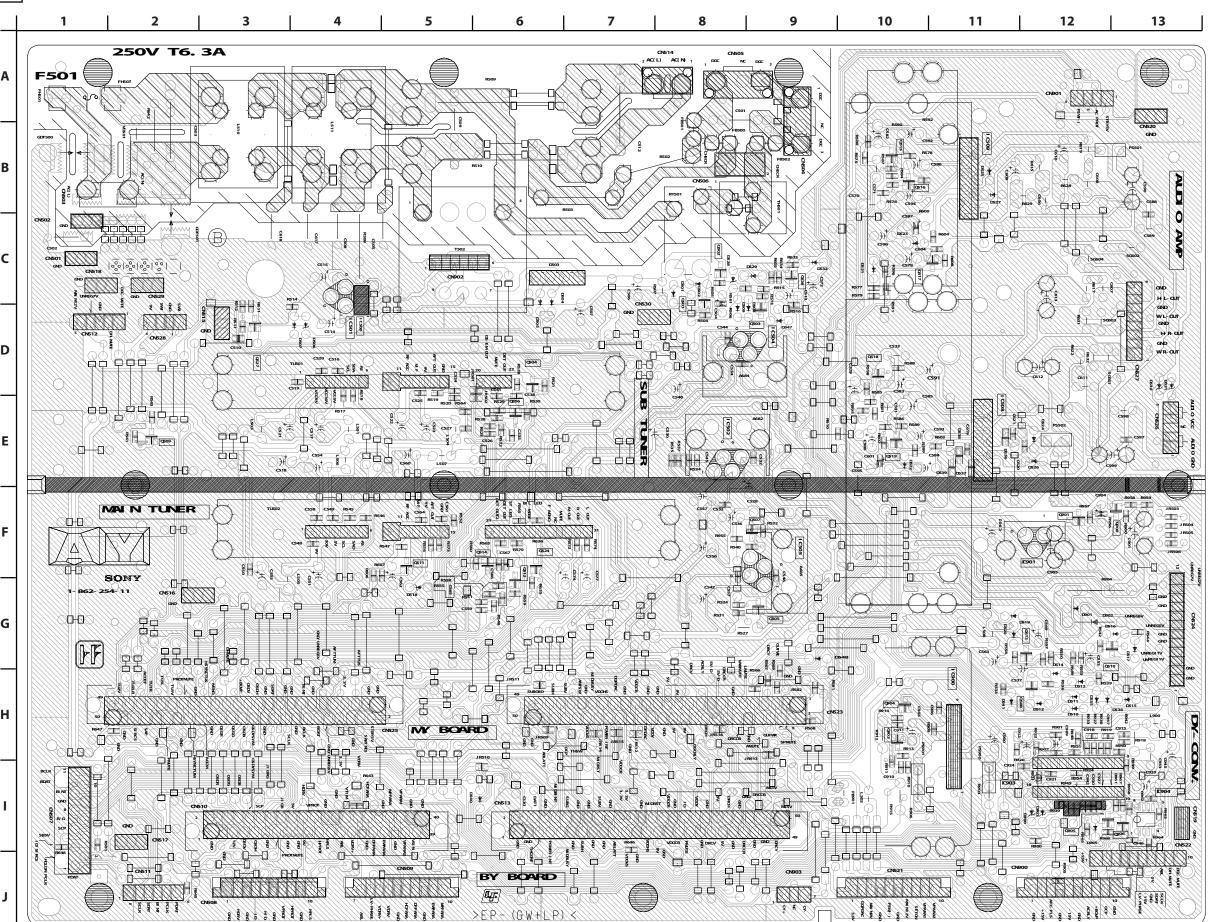
## AY BOARD TRANSISTOR VOLTAGE LIST

	В	C	E			
Q501	0.1	19.4	GND			
Q502	21.3	19.4	21.3			
Q503	21.2	0.2	21.3			
Q505	10.0	0.1	11.0			
Q507	0.1	2.3	GND			
Q508	10.5	0.3	0.0			
Q510	12.0	0.0	12.0			
Q511	0.1	7.5	GND			
Q512	3.3	0.5	3.3			
Q513	0.0	9.0	0.0			
Q514	5.9	GND	6.5			
Q517	0.0	4.4	GND			
Q518	0.0	0.0	GND			
Q519	0.0	0.0	GND			
Q524	0.7	0.1	GND			
Q527	9.8	0.0	5.0			
All voltages are in V.						

CN514 2P :HINI (LOCK) TO DZ CN6502



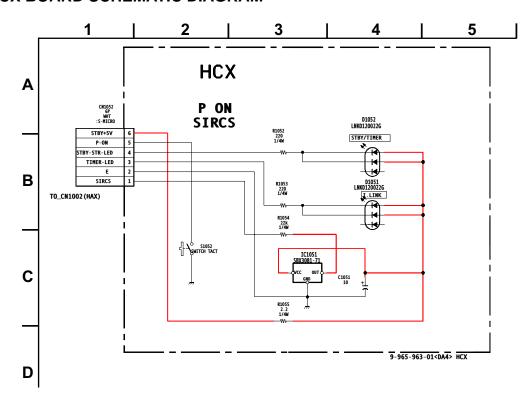




## AY BOARD LOCATOR LIST CONDUCTOR SIDE

DIOD	E	IC						
D501	C-8	IC501	C-8					
D502	C-8	IC502	C-8					
D503	C-6	IC504	D-9					
D504	C-7	IC505	F-9					
D505	D-6	IC508	E-11					
D508	C-9	IC900	G-10					
D509	C-9	IC903	I-11					
D510	H-12	TRANSI	STOR					
D511	H-12	Q501	C-8					
D512	H-12	Q502	C-8					
D513	G-12	Q503	D-9					
D514	G-12	Q505	G-9					
D515	H-13	Q507	F-9					
D516	G-13	Q508	H-12					
D517	G-13	Q510	G-12					
D519	G-12	Q511	F-5					
D520	G-12	Q512	F-6					
D521	C-10	Q513	G-11					
D522	E-10	Q514	F-6					
D524	E-12	Q517	C-10					
D526	E-12	Q518	D-10					
D530	D-13	Q519	E-10					
D531	D-13	Q524	F-6					
D534	H-12	Q527	D-3					
D535	H-11							
D540	I-6							
D541	H-11							
D900	I-11							
D903	I-12							

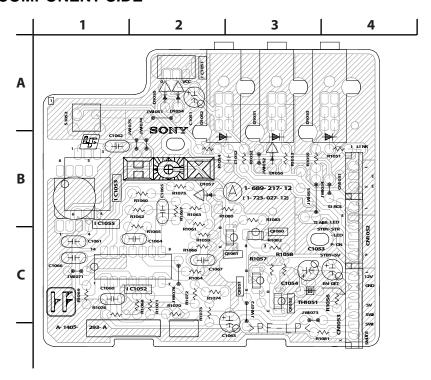
#### **HCX BOARD SCHEMATIC DIAGRAM**





[P ON, SIRCS]

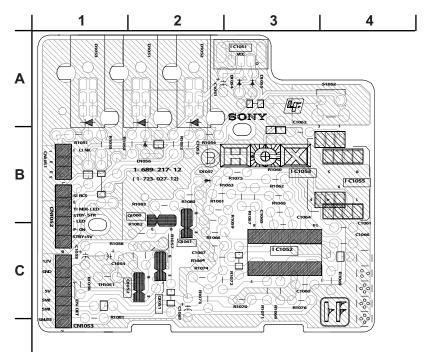
#### **COMPONENT SIDE**



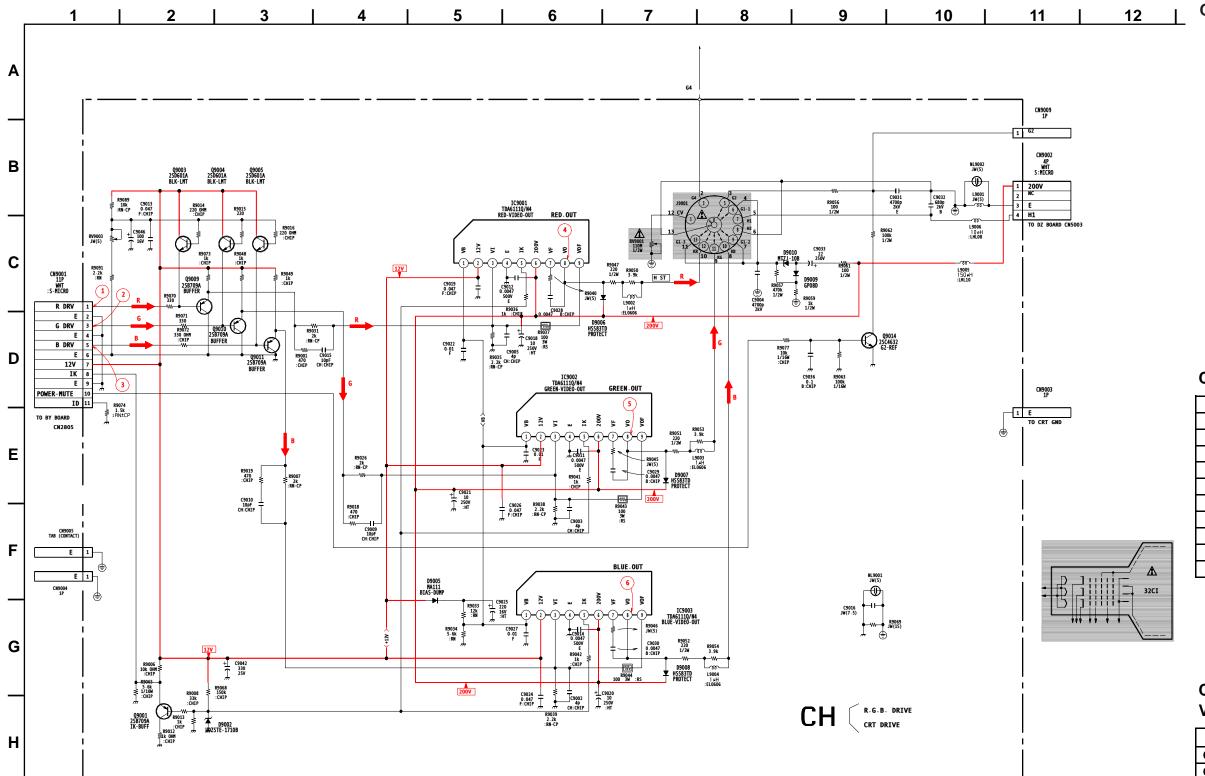


[P ON, SIRCS]

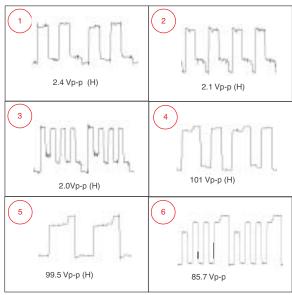
#### **CONDUCTOR SIDE**



#### CH BOARD SCHEMATIC DIAGRAM



#### **CH BOARD WAVEFORMS**



#### **CH BOARD IC VOLTAGE LIST**

IC9	IC9001		002	IC9003		
PIN	VOLT	PIN	VOLT	PIN	VOLT	
1	3.5	1	3.5	1	3.5	
2	12.0	2	12.0	2	12.0	
3	3.5	3	3.5	3	3.5	
4	GND	4	GND	4	GND	
5	9.4	5	9.2	5	9.2	
6	200.0	6	200.0	6	200.0	
7	32.1	7	124.5	7	3.0	
8	144.4	8	154.0	8	145.0	
9	2.2	9	124.0	9	24.5	

All voltages are in V.

# CH BOARD TRANSISTOR VOLTAGE LIST

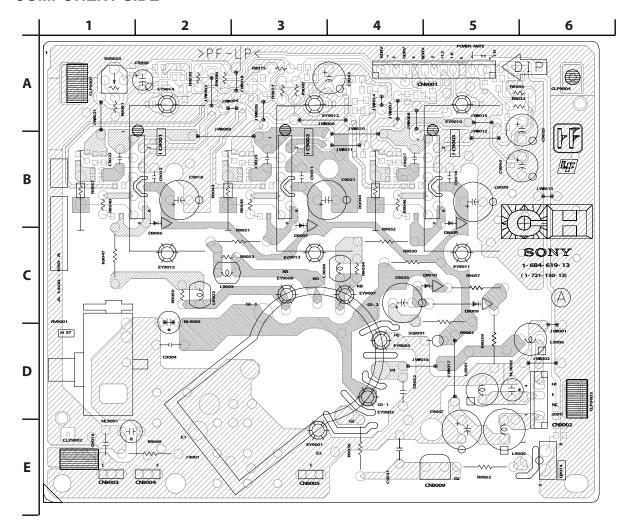
	В	С	Е
Q9001	8.6	GND	3.6
Q9003	2.2	12.0	3.6
Q9004	2.2	12.0	3.7
Q9005	2.2	12.0	3.5
Q9007	9.1	12.0	8.4
Q9009	3.7	GND	4.3
Q9010	3.7	GND	4.4
Q9011	3.5	GND	4.2
Q9014	0.0	264.7	GND

9-965-963-01<DA4>CH

All voltages are in V.

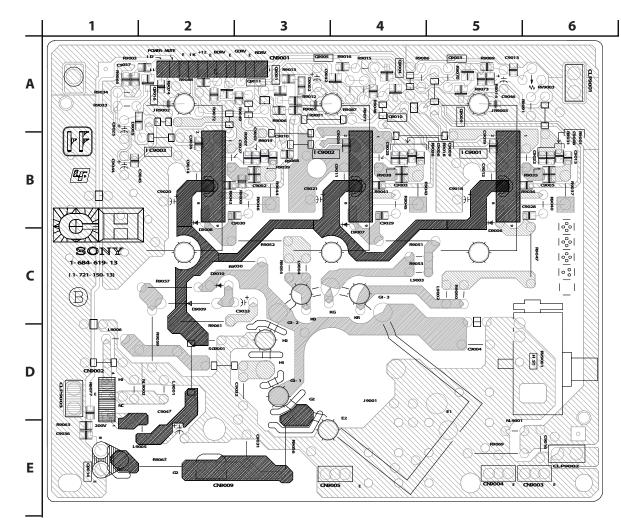


#### **COMPONENT SIDE**

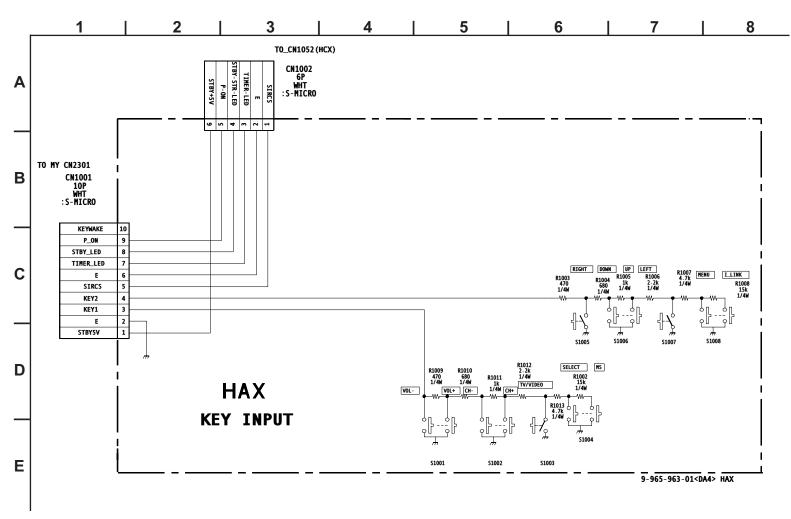


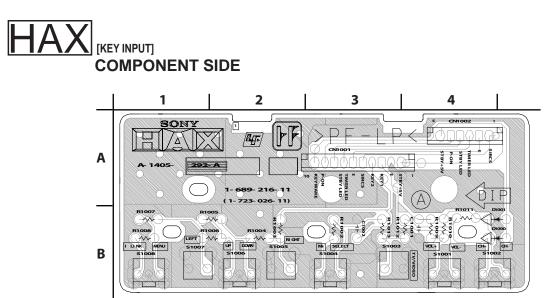


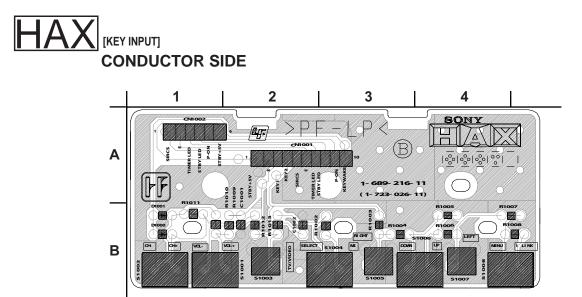
#### **CONDUCTOR SIDE**

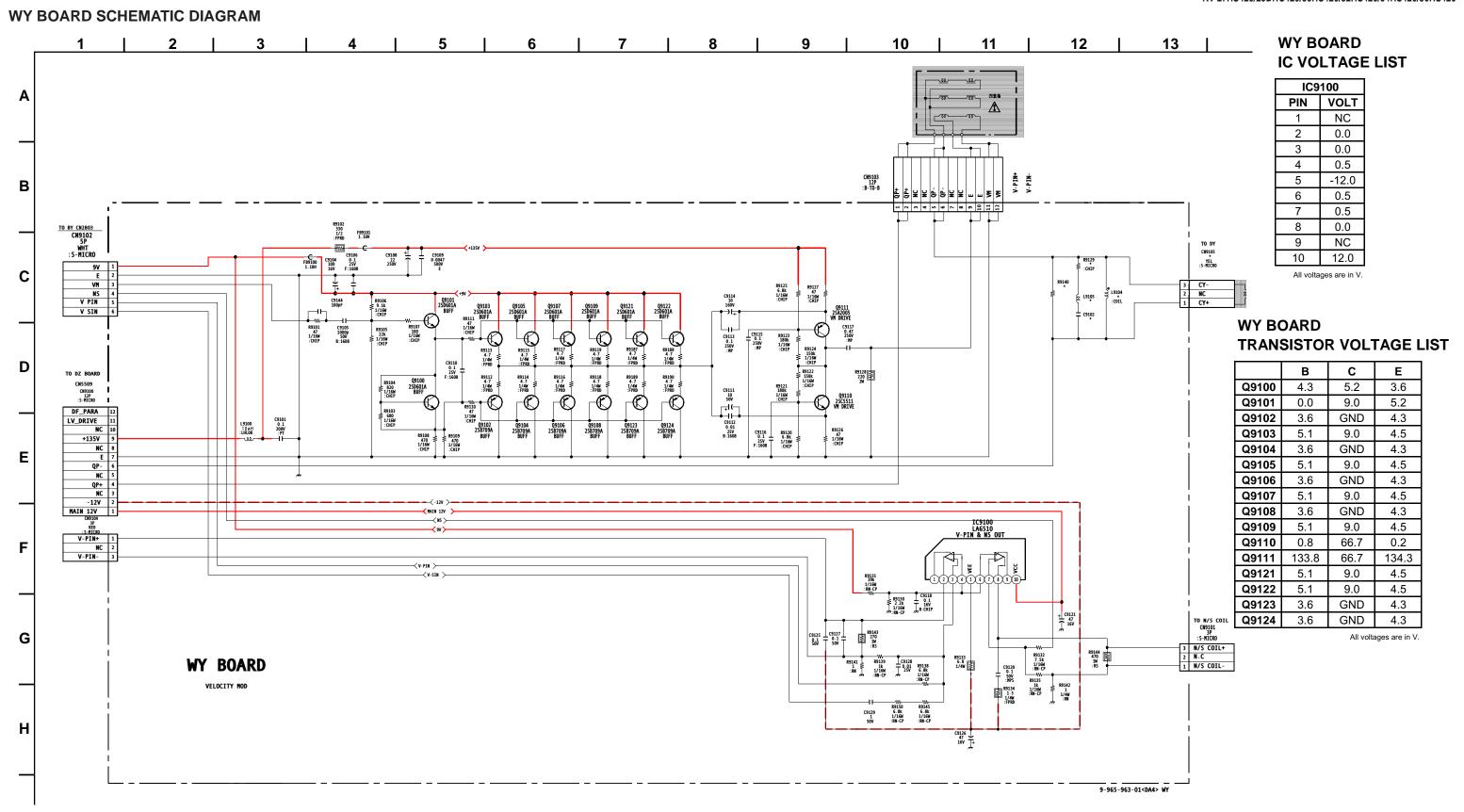


#### HAX BOARD SCHEMATIC DIAGRAM

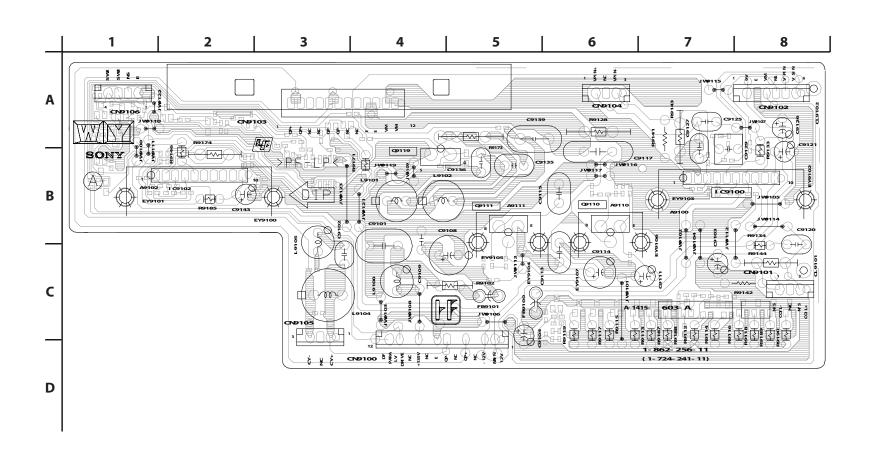




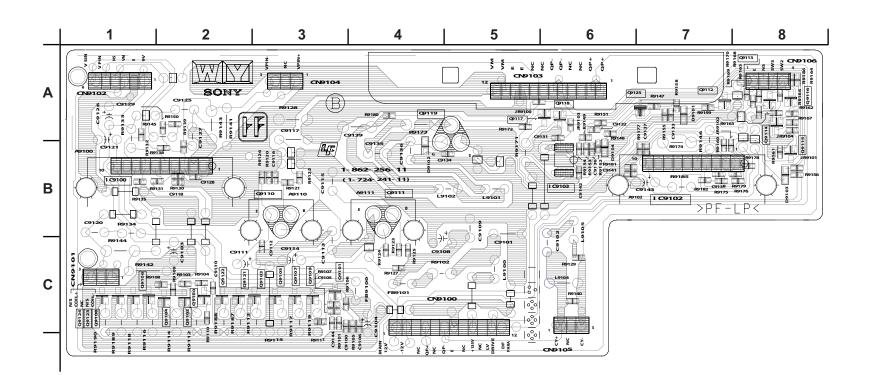


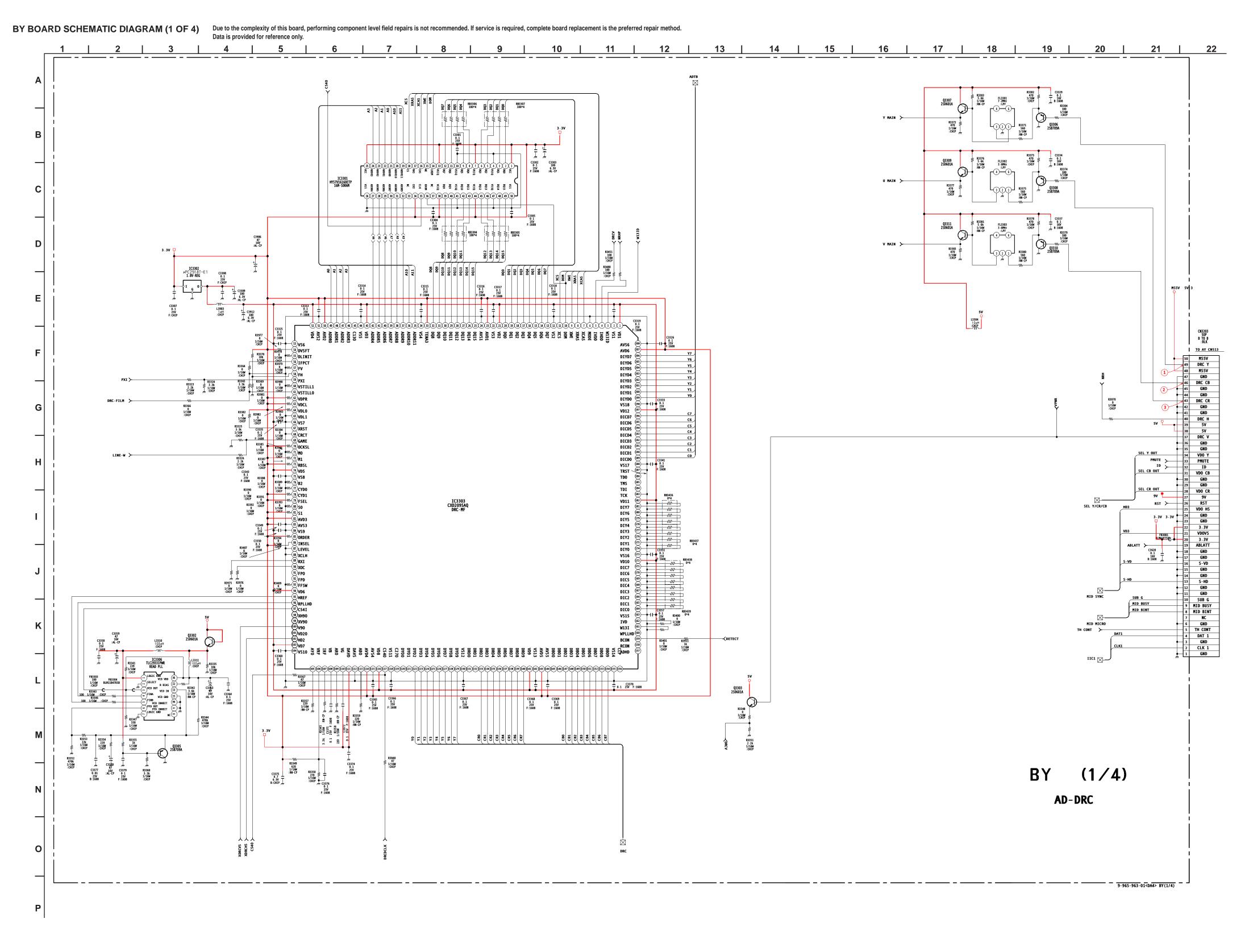




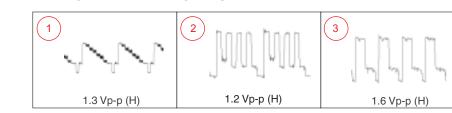




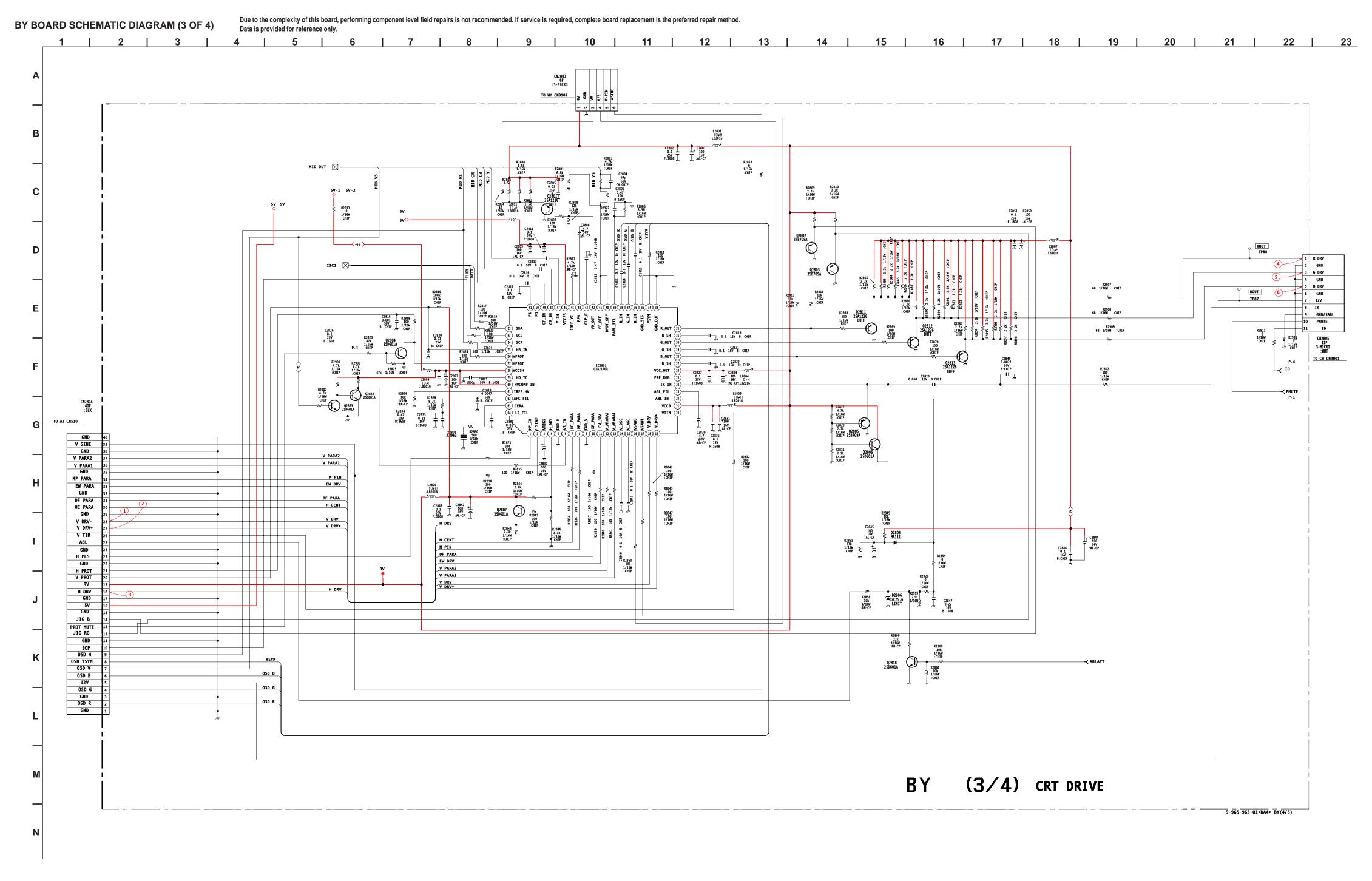




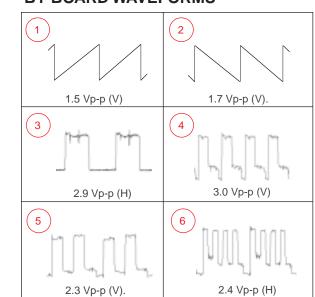
#### BY BOARD WAVEFORMS



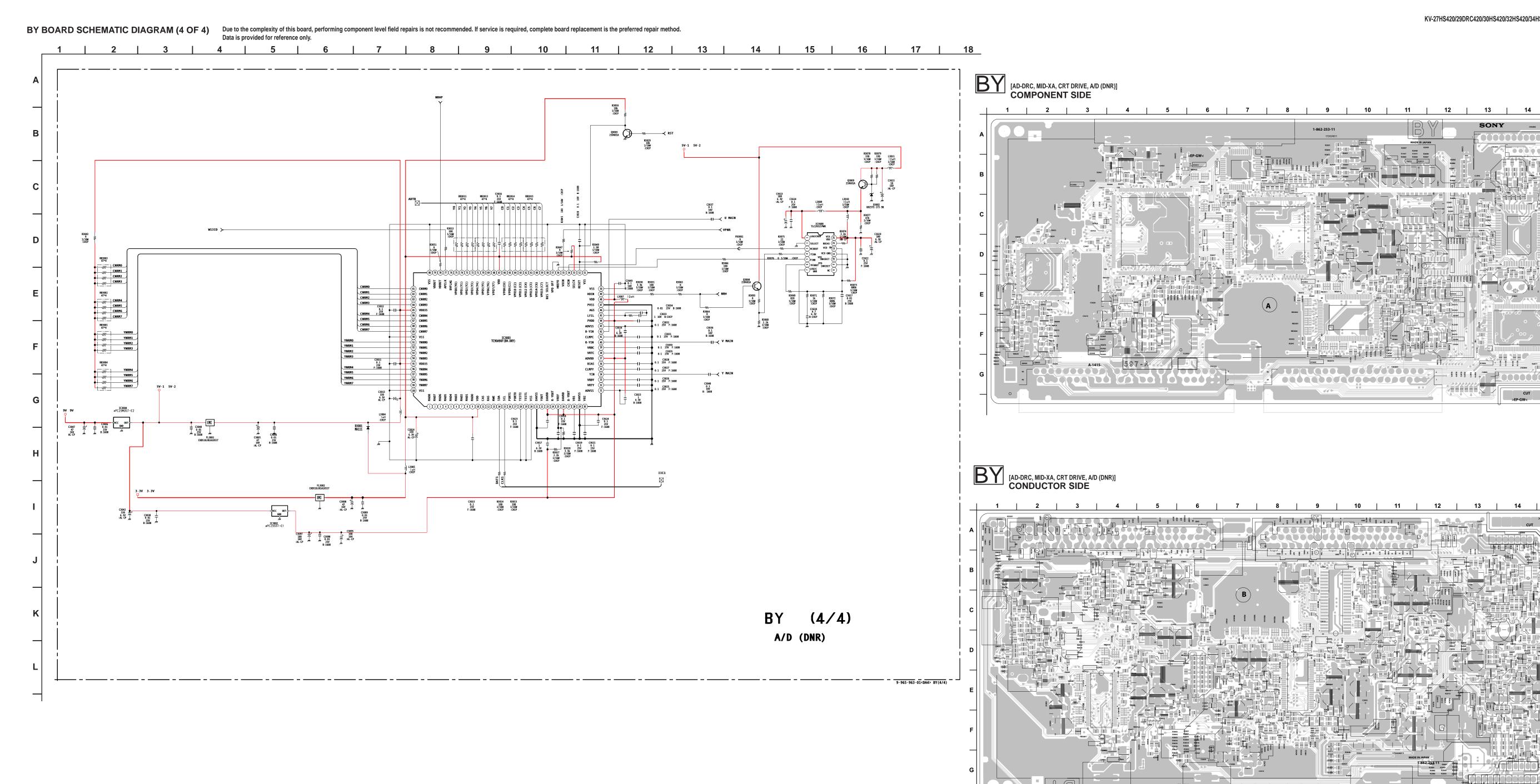
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only. BY BOARD SCHEMATIC DIAGRAM (2 OF 4) 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 03416 R3442 2SD601A 10k 1/16W ::CHIP | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 200 AVCCAD3
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219 DT 3.3V C3468 C3469 0.1 0.1 25V F.1608 C3465 F.1608 R3100 100 1/16W :CHIP W R3101 100 1/16W : CHIP DRC-BLK
DRC-PXN
FFSW CR2 CR3 CR5 CR6 C3478 47 C3477 16V 0.1 :AL-CP 25V F:1608 O\_DRC\_CD\_SEL 0\_DRC\_S1 13 8 8 8 2 8 8 18 18 18 18 18 18 Q3414 2SB709A R3102 100 1/16W :CHIP ### R3833 OH ### R3855 OW ### R3835 OW ### R3855 OW ### R OSD-VSYNC !--w-i--<del>- | w | -</del> 03410 2SB709A RB3404 33\*4 ## B3104 | B11000 |
### B3104 | CHIP | HID BINT |
### B3022 | CHIP | B3404 | HID BUSY |
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### MID BUSY | B DSPPLL-LOCK Q3415 2SB709A BY (2/4) MID-XA CB3 CB1 CB0 9-965-963-01<DA4> BY(2/4)



#### BY BOARD WAVEFORMS



SONY



MY BOARD WAVEFORMS

1.3 Vp-p (H)

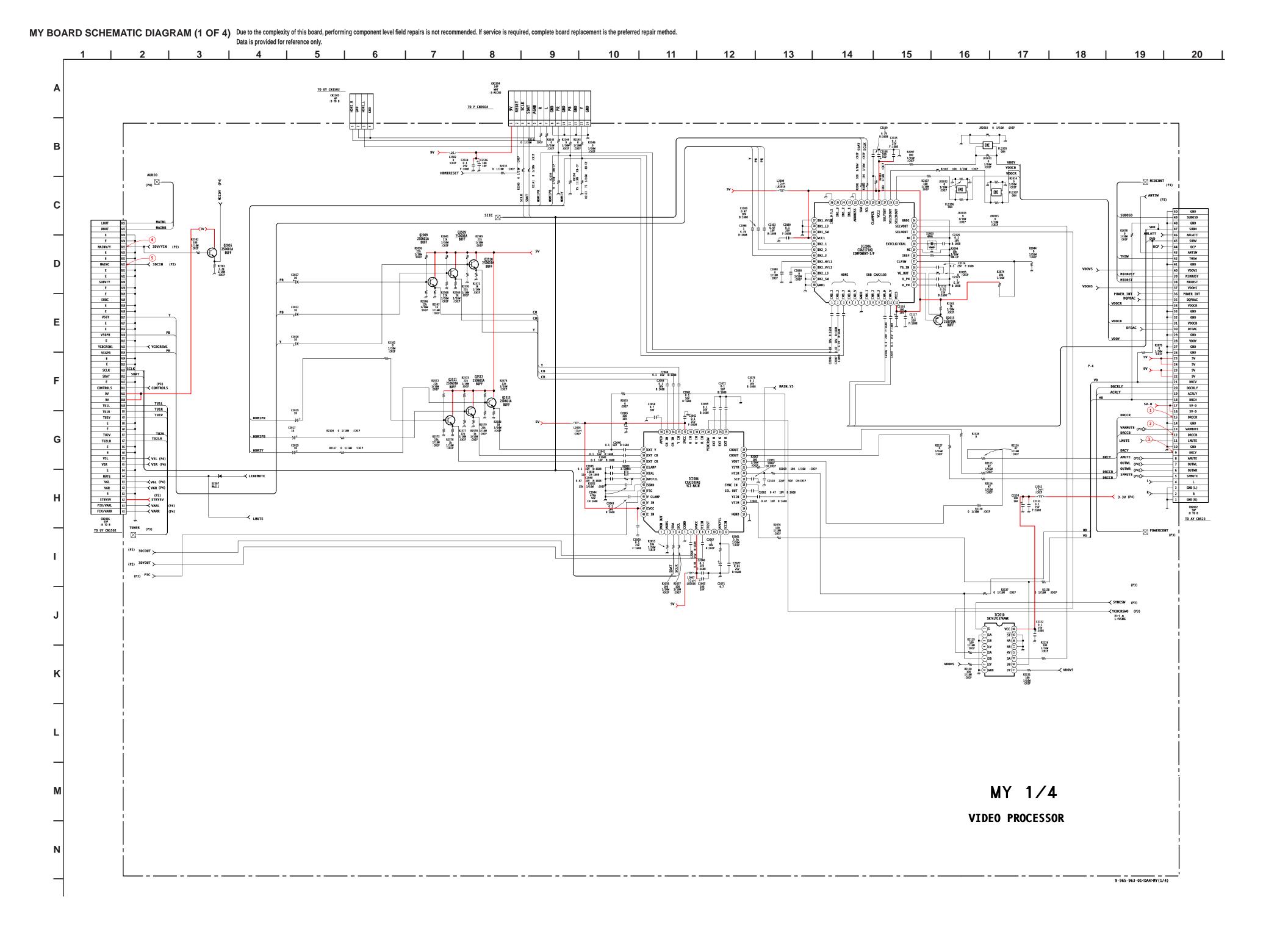
1.7 Vp-p (H)

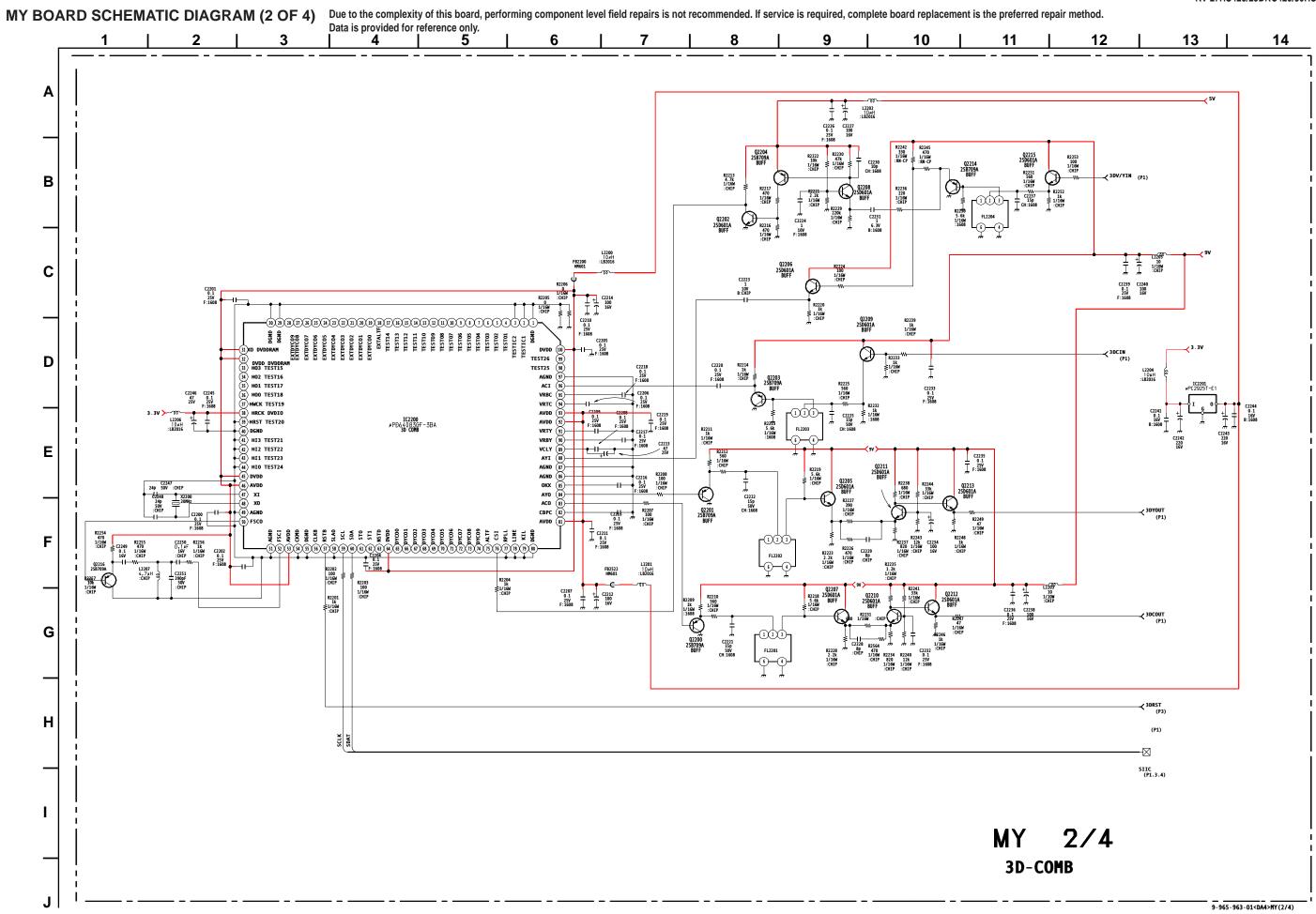
+ 100000-1-1

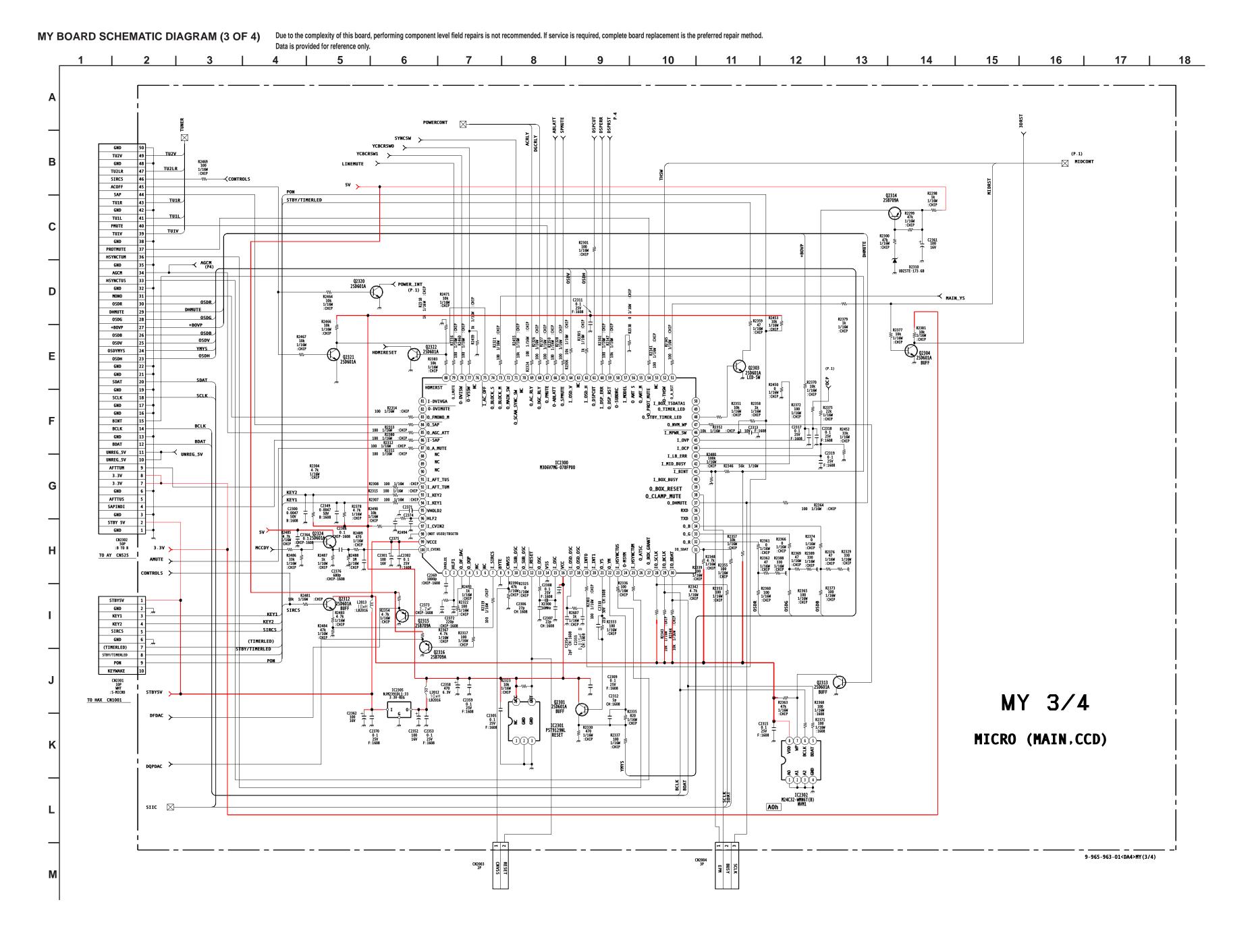
1.7 Vp-p (H)

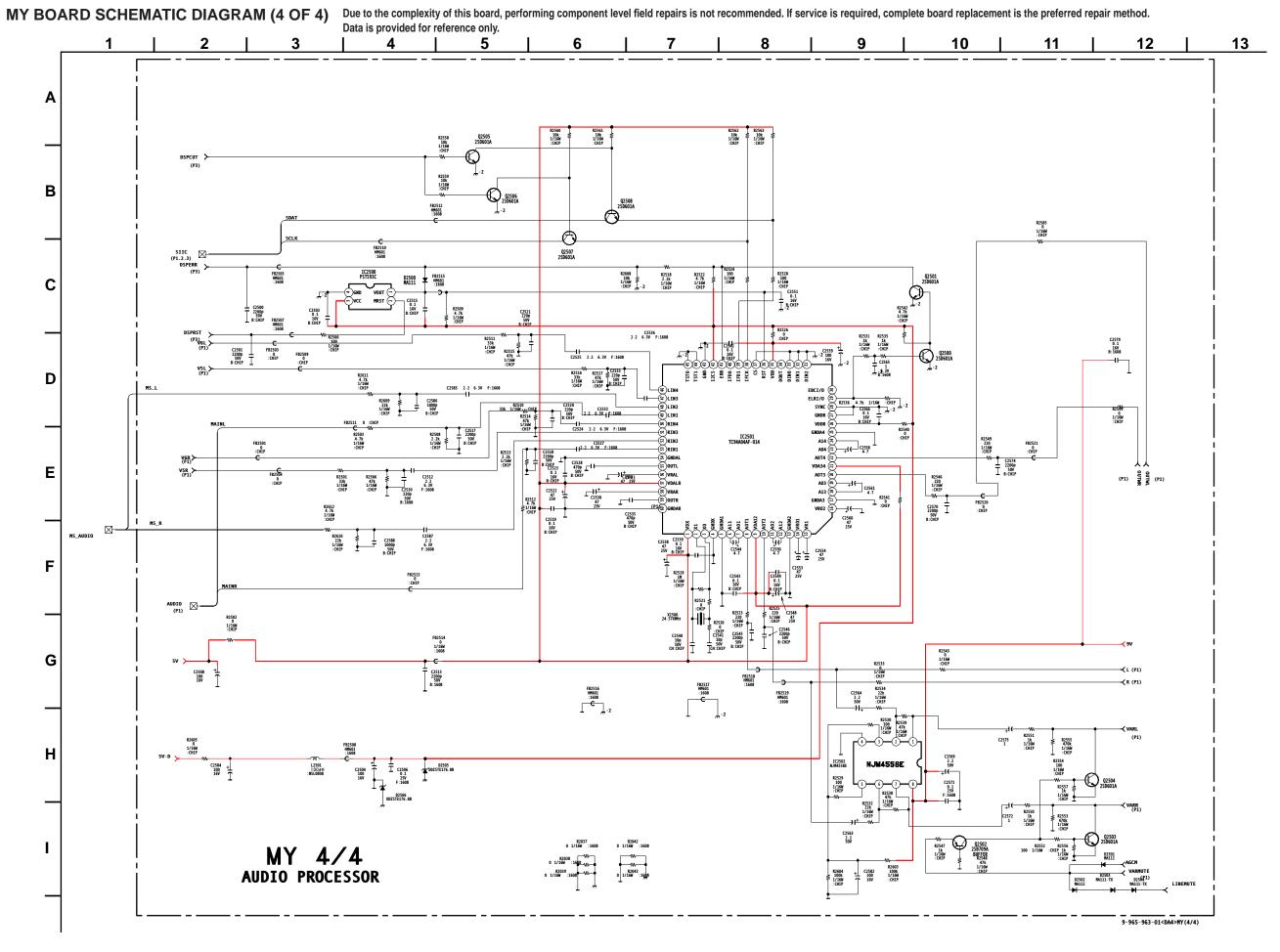
1.3 Vp-p (H)

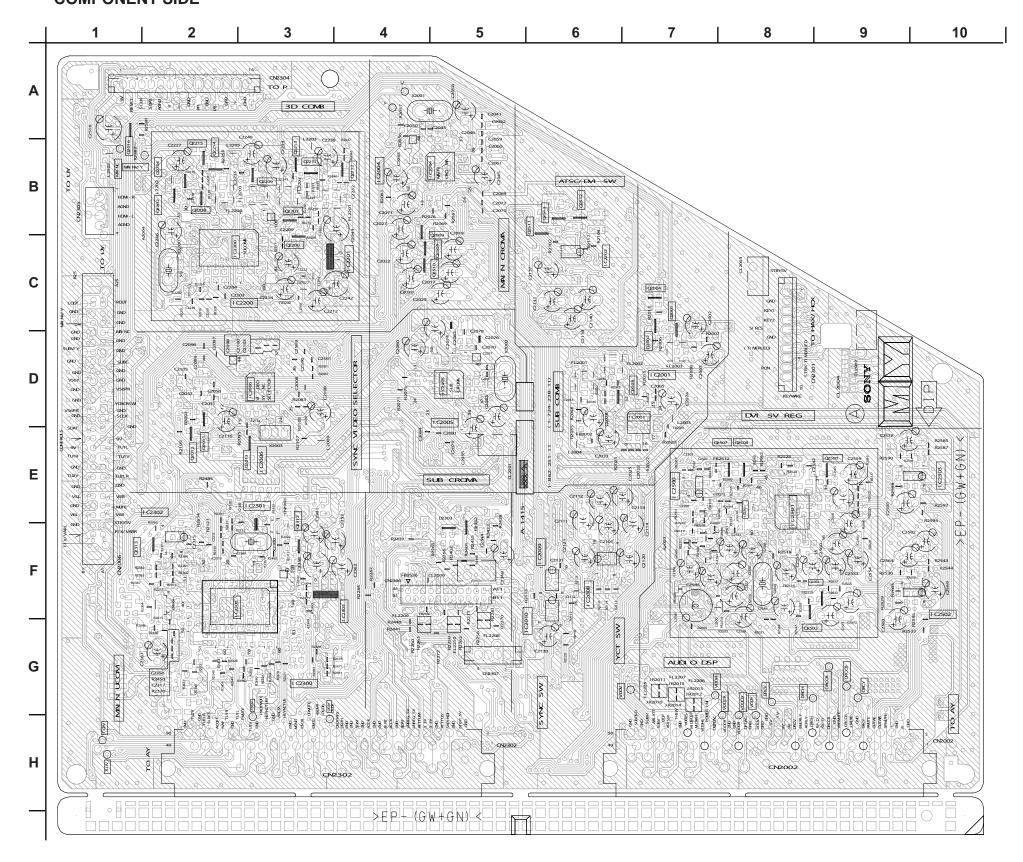
2.2 Vp-p (H)

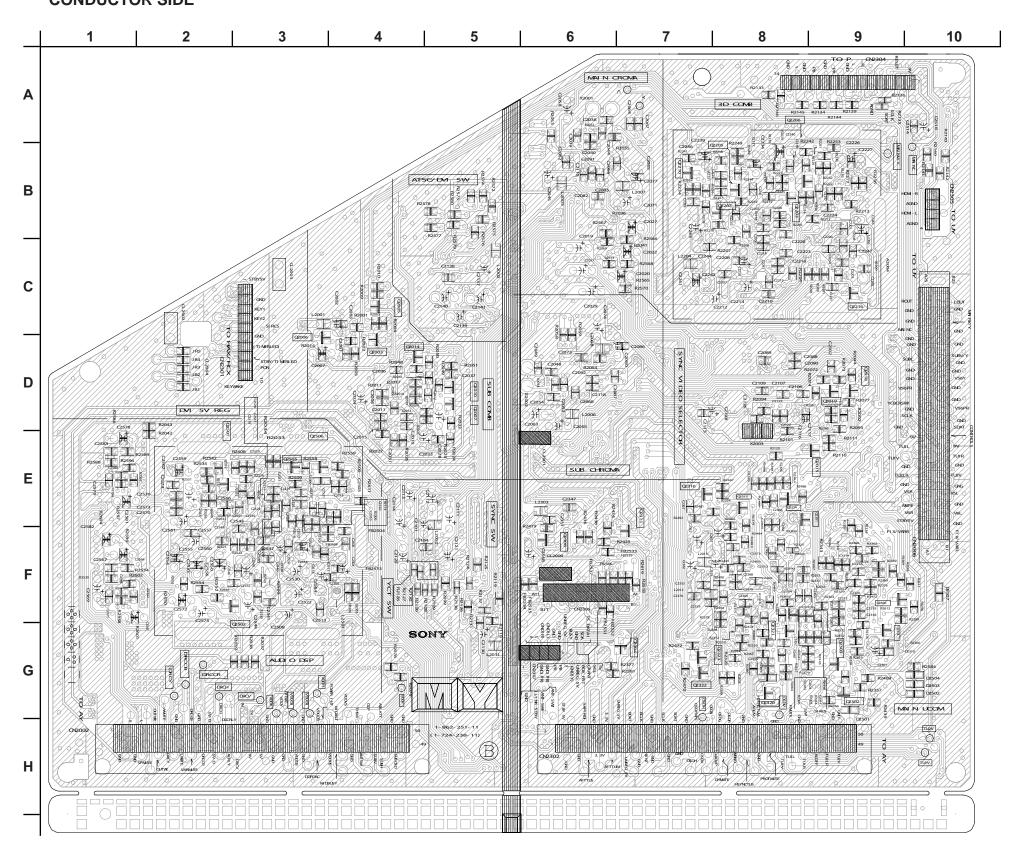




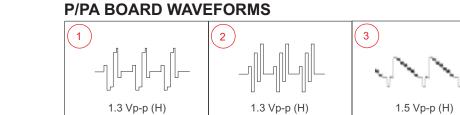


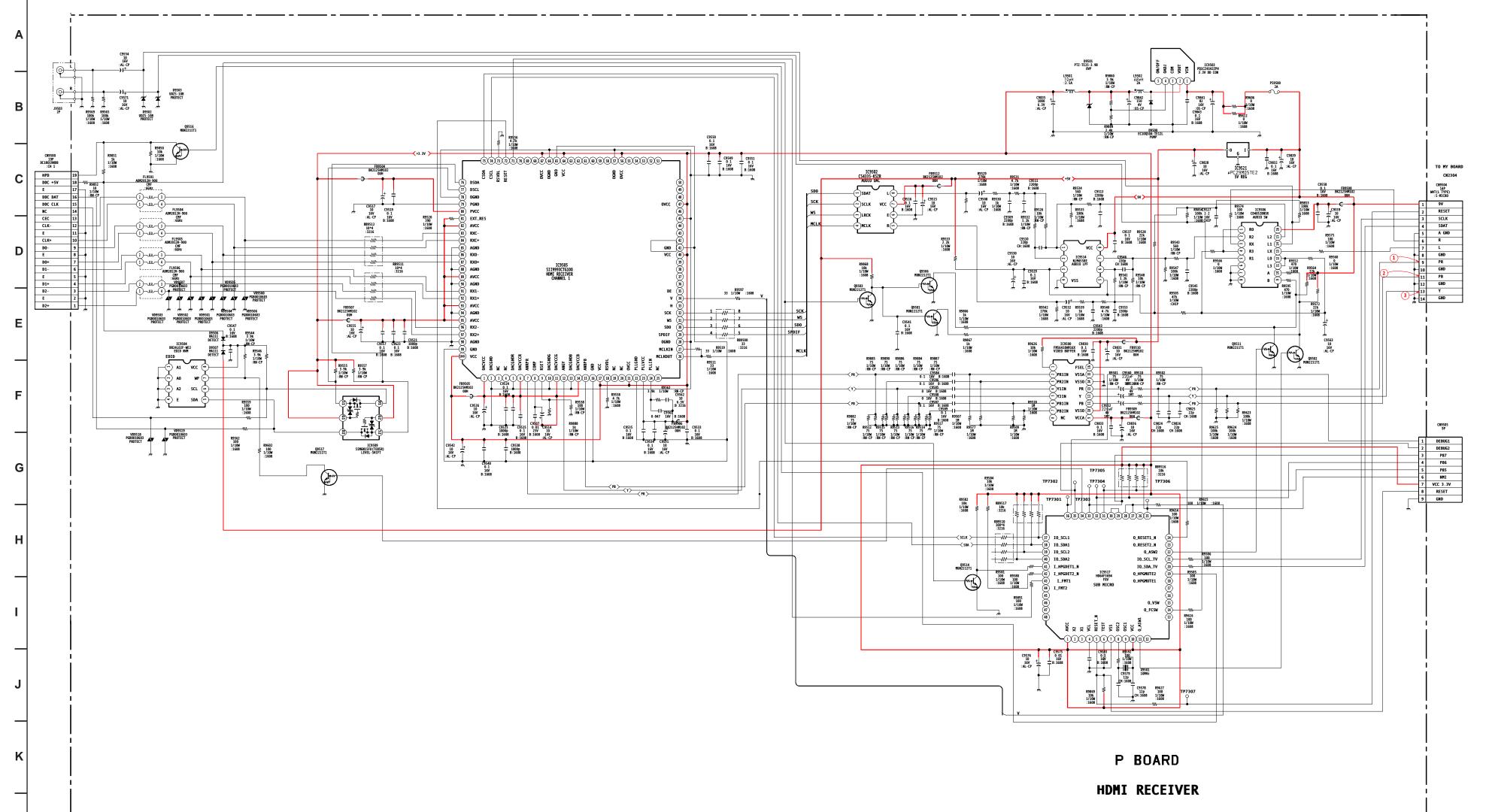


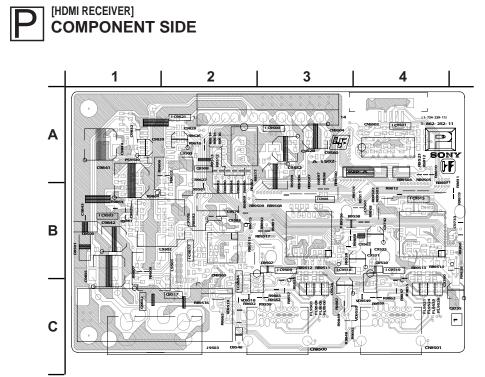


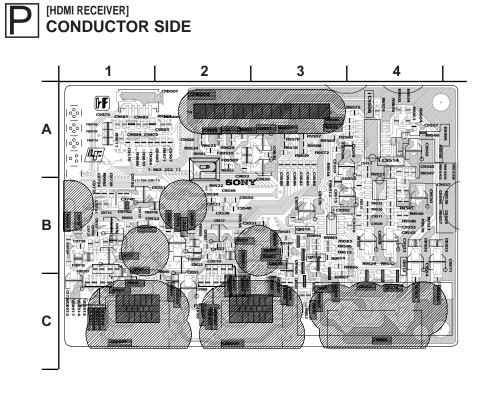


| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

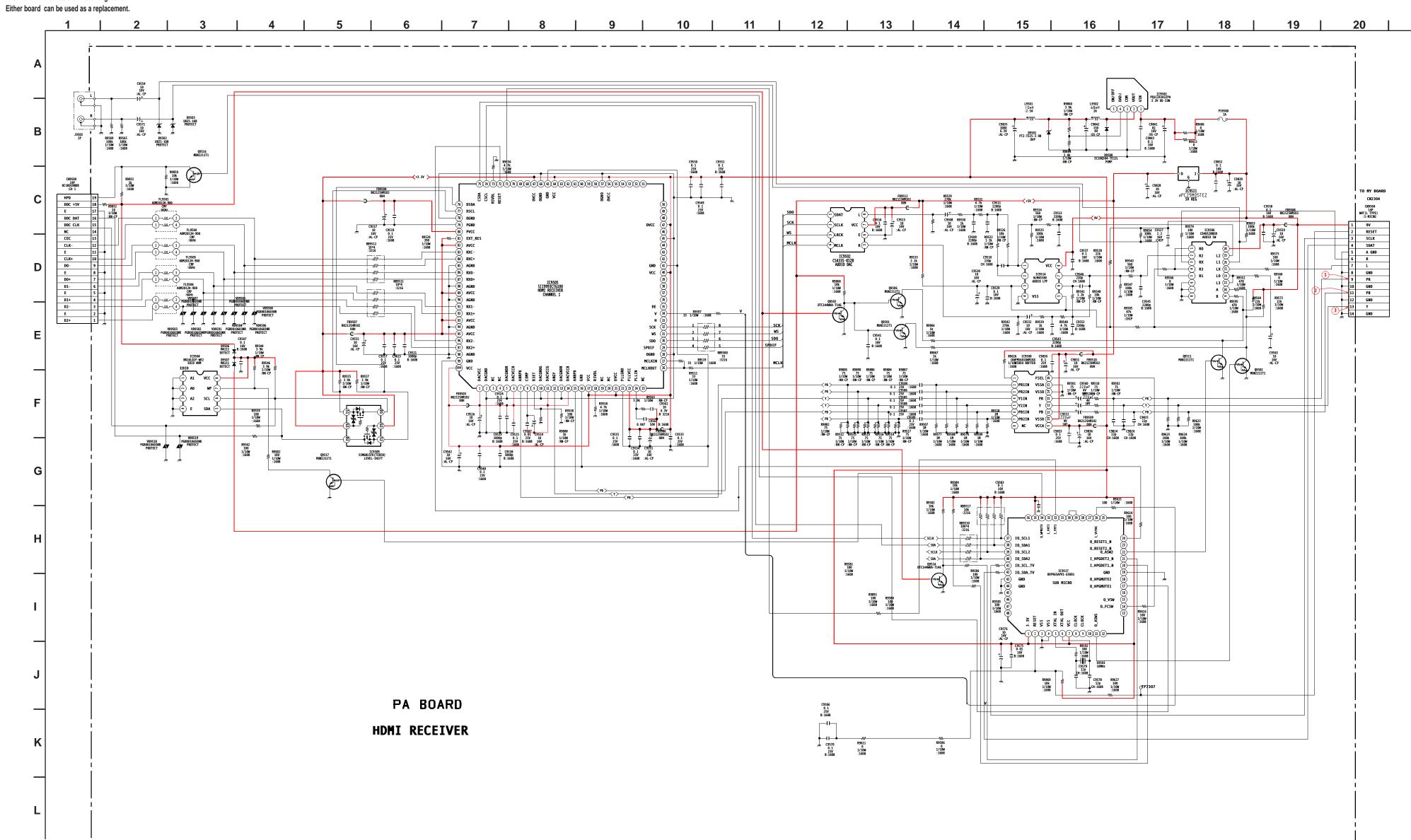




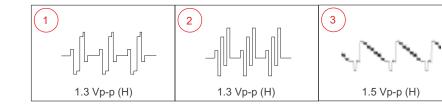




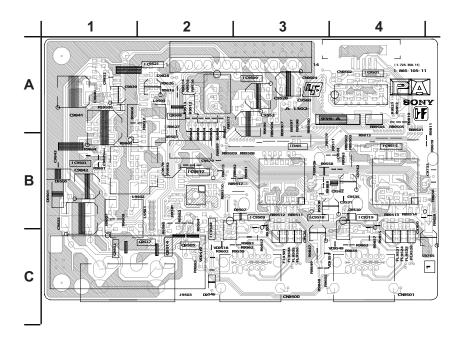
The P and PA Boards are interchangeable.



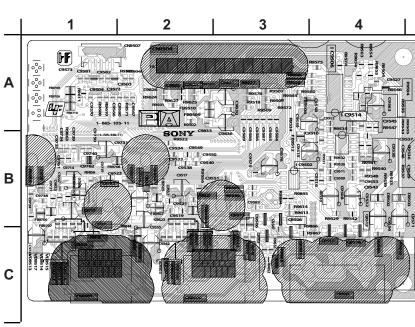
#### P/PA BOARD WAVEFORMS











#### 5-5.SEMICONDUCTORS (1 OF 2)

SEMICONDUCTOR	(S (1 OF 2)			
1 TOP VIEW  14pin  M52055FP  TLC2932IPW  TLC2933IPWR-12	16pin CXD2085M-T4 SN74LV4053ANSR	HARABABABA TOP VIEW 32pin BH3868AFS-E2	5pin  PST9120NL PST9145NL TC7SET08FU(TE85L)	1 TOP VIEW 22pin CXA2026AS
32pin CXD2073Q-T4	48pin CXA2103Q CXA2150Q	1 TOP VIEW 64pin TLC5733AIPM	240pin CXD9509AQ	100 INDEX 30 TOP VIEW
100 INDEX 31 TOP VIEW M306V2ME-153FP	NJM79M12FA	LA6500-FA	E C B 2SA1208S-TP 2SA10910-TPE	B C E IRF614 IRF1644-G-LF36 IRF19630GS
B <sub>C</sub> <sub>E</sub> 2SA2005 2SC5511	LETTER SIDE E C B	2SK2036(TE85L)	C	DTA114EKA-T146 DTC114TKA-T146 DTC144EKA-T146 2SA1226 2SD601A-QRS-TX 2SB709A-QRS-TX 2SC2412K-T-146-QR 2SD2114KT146
TDA61110/N4	B C E 2SC4632LS-CB7	MARKING SIDE VIEW CATHODE ANODE CATHODE D5LC20U	HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	NJM2901M-TE2 NJM2903M-TE2 NJM2904M-TE2 NJM4558E(TE2) TC7WU04FU(TE12R)

## **SEMICONDUCTORS (2 OF 2)**

	,			
PQ07VZ012P	PQ09RD21 PQ05RF21 PQ12RF21 PQ30RV21	STV9379	LETTER SIDE  E C B  2SA1776TV2Q  2SA1309A-QRSTA	1 2 3 2SC3997S-SONY
LETTER SIDE E C B  2SC2688-LK 2SC3840K	UPC1093J	1 2 3 1 2 2 3 D5SC4M	S1VB20	D6SB60L D1NL40-TA2
ANODE  CATHODE  MA111-TX  MA113-TX  UDZSTE-1710B  UDZSTE-176.8B  UDZSTE-17-12	CATHODE  ANODE  1SS133T-77 D1NL20U-TR ERC91-02E	D8LC40F  CATHODE  ANODE  PG124S15	MA153-TX	DINL40-IAZ  3  1°  MA3091-TX
DAN202K-T-146	D4SBS6-F	51 52 64 TOP VIEW  CXA2069Q CXP85840A-039Q	CATHODE	D1NL20U-TA2 ERA22-08TP3 ERC04-06SE GP08DPKG23 HSS83TD HZU11B1TRF RGP02-20EL-6394 MTZJ-77-22B
			MTZJ MTZJ MTZJ MTZJ MTZJ MTZJ MTZJ MTZJ	4-TA2 MTZJ-T-77-3.9B -T-77-15 MTZJ-T-77-4.7B -T-77-33B MTZJ-T-77-5.1B -T-77-10 MTZJ-T-77-5.5B -T-77-12 RD5.6ES-T1B2 -T-77-13C -T-77-2.0A -T-77-3.0B

#### **SECTION 6: EXPLODED VIEWS**

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

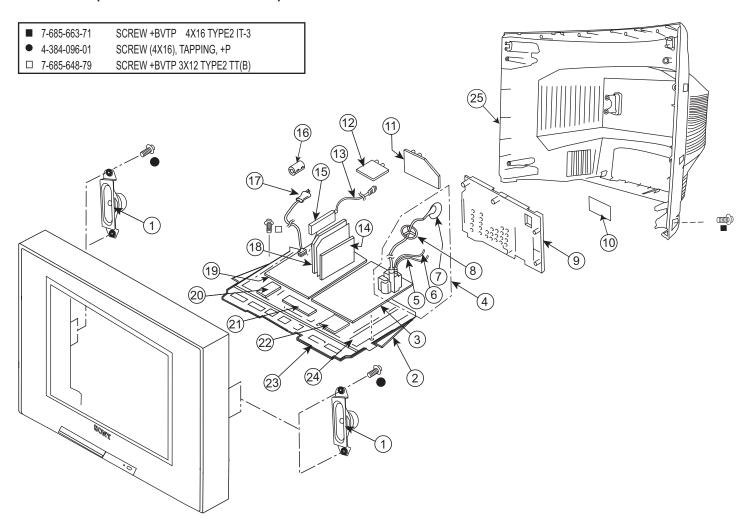
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

\* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

#### 6-1.CHASSIS (KV-27HS420/29DRC420)

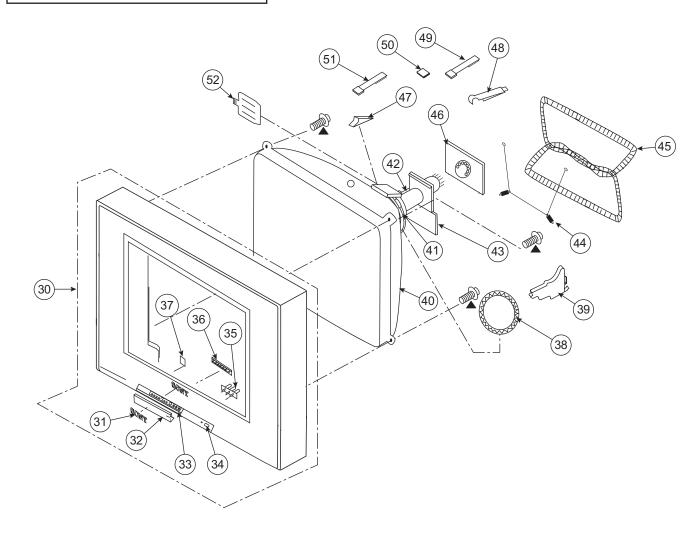


REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	R	EF. NO.	PART NO.	DESCRIPTION
1	1-825-840-11	LOUDSPEAKER		$\triangle$	13	1-829-088-11	P-F CABLE
* 2	4-102-133-01	BOARD, BOTTOM		*	14	A-1302-940-A	BY BOARD, COMPLETE
* 3	A-1302-933-A	DZ BOARD, COMPL		$\triangle$	15	8-598-593-40	TUNER, FSS BTF-WA421
		(KV-27HS420/29DR	*		16	1-500-586-11	FILTER, CLAMP (FERRITE CORE)
			ds associated with the FBT on	$\triangle$	17	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
			t included and must be ordered				(ALL EXCEPT KV-29DRC420 L. SOUTH)
		separately (SEE 5-7	).				
* 3	A-1303-009-A	DZ BOARD, COMPL	ETE	$\triangle$	17	1-769-796-62	CORD, POWER (WITH CONNECTOR)
		(KV-29DRC420 L. S	,				(KV-29DRC420 L. SOUTH)
		• •	ds associated with the FBT on	*	18	A-1302-937-A	MY BOARD, COMPLETE
		this DZ Board are no	t included and must be ordered	*	19	A-1302-932-A	AY BOARD, COMPLETE
		separately (SEE 5-7	).				(KV-27HS420/29DRC420 L. NORTH)
•				*	19	A-1303-008-A	AY BOARD, COMPLETE
<u> </u>	1-453-464-11	FBT ASSY, NX-6200	//X4J4 [5-7]				(KV-29DRC420 L. SOUTH)
<u> </u>	1-900-808-42	WIRE ASSY, G2		*	20	A-1302-942-A	HBY BOARD, COMPLETE
<u> </u>	1-900-805-19	WIRE ASSY, FOCUS		*	21	A-1405-292-A	HAX BOARD, MOUNTED
<b>△</b> 7	1-251-374-14	CAP ASSY, HIGH-V	OLTAGE	*	22	A-1302-943-A	HCX BOARD, COMPLETE
8	4-084-918-01	HOLDER, HV CABL	E	*	23	4-102-120-01	BRACKET, H(27)
				*	24	4-095-271-11	BRACKET, MAIN
* 9	4-102-135-01	BRACKET, U			25	4-102-118-01	COVER, REAR
10	4-102-764-01	LABEL, TERMINAL					
* 11	A-1302-938-A	UY BOARD, COMPI					
* 12	A-1302-939-A	P BOARD, COMPLE	ETE				
* 12	A-1085-903-A	PA BOARD, COMPL					
	The P and PA E	Boards are interchange	able.				
	Either board c	an be used as a replace	ement.				

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

## 6-2.PICTURE TUBE (KV-27HS420/29DRC420)

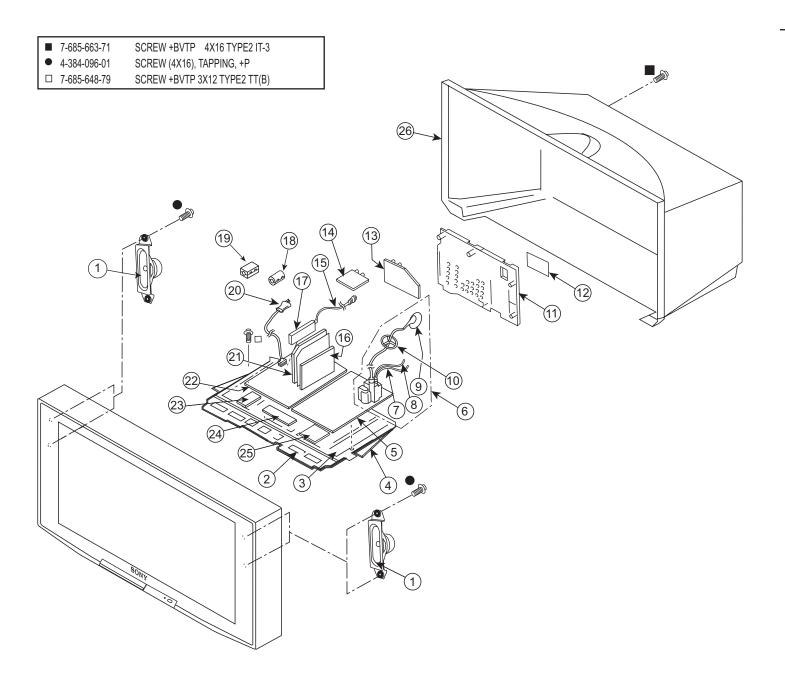




REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO	. PART NO.	DESCRIPTION
30	X-4042-952-1	BEZNET ASSY	[31-37]	<u> </u>	8-453-022-21	NECK ASSEMBLY2920-M2
31	3-704-179-61	EMBLEM, SONY (NO	0.9)	* 43	A-1415-602-A	WY (VAR) BOARD, MOUNTED
32	4-102-127-11	DOOR, CONTROL		44	4-036-329-01	SPRING (B), TENSION
33	4-102-130-01	LABEL, FRONT CON	TROL			V P
34	4-102-129-11	BUTTON, POWER		<u> </u>	1-419-156-21	COIL, DEGAUSSING
						(KV-27HS420/29DRC420 L. NORTH)
35	4-102-128-01	GUIDE, LED		<u> </u>	1-419-523-21	COIL, DEGAUSSING
36	4-093-611-12	BUTTON, MULTI				(KV-29DRC420 L. SOUTH)
37	4-102-131-01	DAMPER, DOOR		* 46	A-1400-550-A	CH BOARD, MOUNTED
⚠ 38	1-451-498-41	COIL, NA ROTATION		47	4-053-005-01	SPACER, DY
39	4-102-121-01	SUPPORTER, CRT(2	27)			
				* 48	4-062-970-12	CLIP (29RSN), DGC
<u> </u>	8-735-082-05	CRT 29RSN(SDP) (M	168LNH050X)	49	4-051-734-21	PIECE B(120), CONV. CORRECT
		(KV-27HS420/29DRC	2420 L. NORTH)	50	1-452-885-11	MAGNET, LANDING
<u> </u>	8-735-083-05	CRT 29RSN(SDP)(S0	OUTH) (M68LNH050X)	51	4-083-414-01	PIECE A(110), CONV CORRECT
		(KV-29DRC420 L. SC	DUTH)	52	4-081-170-01	PLATE, TLH CORRECTION
<b>△</b> 41	8-451-511-21	DY Y29RSC2-S				,

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

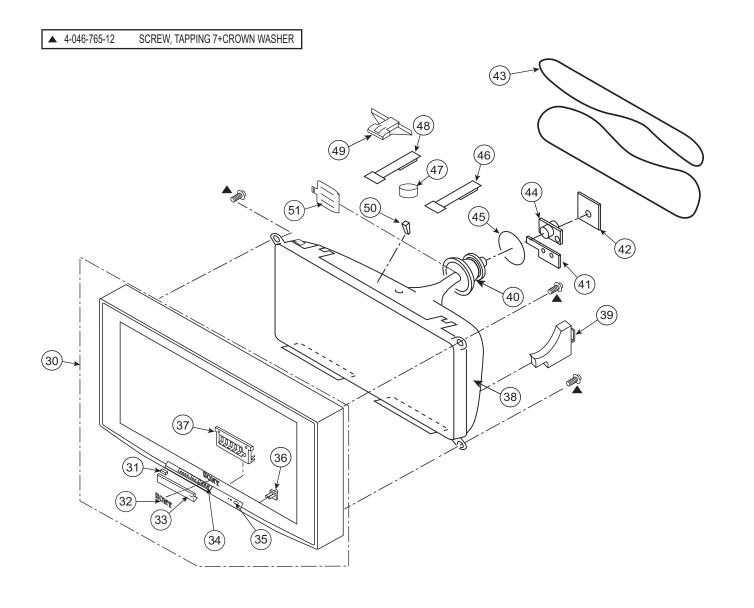
#### 6-3.CHASSIS (KV-30HS420/34HS420)



REF. NO.	PART NO.	DESCRIPTION [	ASSEMBLY INCLUDES]	1	REF. NO.	PART NO.	DESCRIPTION
1	1-825-840-11	LOUDSPEAKER		*	14	A-1302-939-A	P BOARD, COMPLETE
* 2	4-102-134-01	BRACKET, H		*	14	A-1085-903-A	PA BOARD, COMPLETE
* 3	4-095-271-11	BRACKET, MAIN					pards are interchangeable.
* 4	4-102-133-01	BOARD, BOTTOM					n be used as a replacement.
				$\triangle$	. 15	1-829-088-11	P-F CABLE
* 5	A-1302-934-A	DZ BOARD, COMPLETE					
		(KV-30HS420 ONLY)		*	16	A-1302-940-A	BY BOARD, COMPLETE
		The high-voltage leads ass	sociated with the FBT on	$\triangle$	. 17	8-598-593-40	TUNER, FSS BTF-WA421
		this DZ Board are not inclu	ded and must be ordered		18	1-500-586-11	FILTER, CLAMP (FERRITE CORE)
		separately (SEE 7-9).			19	1-500-082-11	CLAMP, SLEEVE FERRITE
* 5	A-1302-936-A	DZ BOARD, COMPLETE		$\triangle$	. 20	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
		(KV-34HS420 ONLY)					
		The high-voltage leads ass	sociated with the FBT on	*	21	A-1302-937-A	MY BOARD, COMPLETE
		this DZ Board are not inclu	ded and must be ordered	*	22	A-1302-935-A	AY BOARD, COMPLETE
		separately (SEE 7-9).					(KV-30HS420 ONLY)
				*	22	A-1302-941-A	AY BOARD, COMPLETE
<u> </u>	1-453-464-11	FBT ASSY, NX-6200//X4J4	[7-9]				(KV-34HS420 ONLY)
<b>△</b> 7	1-900-808-42	WIRE ASSY, G2					
<b>▲</b> 8	1-900-805-19	WIRE ASSY, FOCUS HV		*	23	A-1302-942-A	HBY BOARD, COMPLETE
<b>△</b> 9	1-251-715-22	CAP ASSY, HIGH-VOLTAC	SE .	*	24	A-1405-292-A	HAX BOARD, MOUNTED
10	4-084-918-01	HOLDER, HV CABLE		*	25	A-1302-943-A	HCX BOARD, COMPLETE
* 11	4-102-135-01	BRACKET, U			26	4-102-138-01	COVER, REAR
12	4-102-764-01	LABEL, TERMINAL					(KV-30HS420 ONLY)
* 13	A-1302-938-A	UY BOARD, COMPLETE			26	4-102-123-01	COVER, REAR
							(KV-34HS420 ONLY)

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

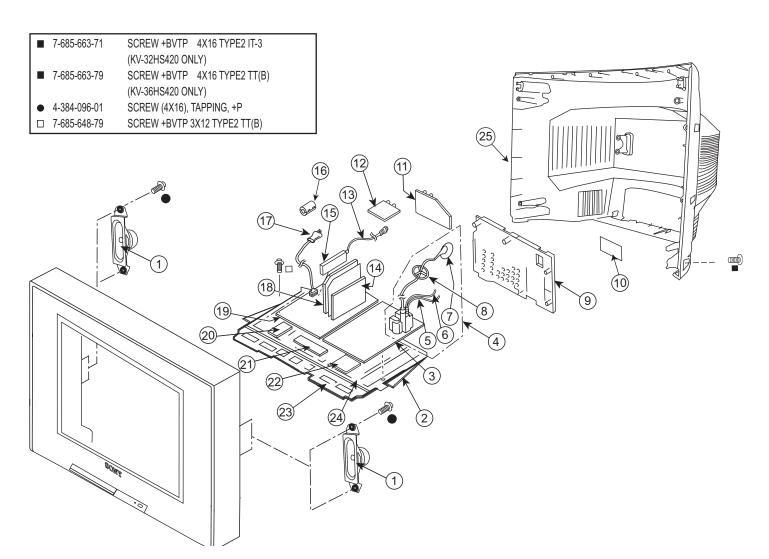
## 6-4.PICTURE TUBE (KV-30HS420/34HS420)



REF.	NO. PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION
30	) X-4042-9	56-1 BEZNET ASSY	[31-37]	* 42	A-1400-550-A	CH BOARD, MOUNTED
		(KV-30HS420 ONLY)		<b>⚠</b> 43	1-456-474-11	DEGAUSSING COIL
30	X-4042-9	53-1 BEZNET ASSY	[31-37]			(KV-30HS420 ONLY)
		(KV-34HS420 ONLY)		<b>⚠</b> 43	1-416-837-21	COIL, DEGAUSSING
31		1-01 DAMPER, DOOR				(KV-34HS420 ONLY)
32		9-61 EMBLEM, SONY (NC	0.9)			
33	3 4-102-127	7-11 DOOR, CONTROL		<u> </u>	8-453-022-21	NECK ASSEMBLY NA2920-M2 (KV-30HS420 ONLY)
34	4-102-130	0-01 LABEL, FRONT CON	TROL	<u> </u>	8-453-023-21	NECK ASSEMBLY NA328-M2
35	5 4-102-129	9-11 BUTTON, POWER				(KV-34HS420 ONLY)
36	4-102-128	3-01 GUIDE, LED		<u> </u>	1-451-498-31	COIL, NA ROTATION
37	7 4-093-61	I-12 BUTTON, MULTI				
				46	4-051-734-21	PIECE B(120), CONV. CORRECT
<b>△</b> 38	8-735-110	0-05 CRT 32RVEN (W76L)	WN000X)	47	1-452-032-00	MAGNET,DISC
		(KV-30HS420 ONLY)		48	4-083-414-01	PIECE A(110), CONV CORRECT
<u> </u>	8-735-060	,	'			(KV-34HS420 ONLY)
		(KV-34HS420 ONLY)		49	4-102-284-01	CLIP, DGC
39	9 4-102-136	6-01 SUPPORTER, CRT				
A			0.000 (7.0.7)	50	4-086-199-02	SPACER, DY
<u> </u>	1-451-55		,		4 050 005 04	(KV-30HS420 ONLY)
A	0 454 40	(KV-30HS420 ONLY)		50	4-053-005-01	SPACER, DY
<u> </u>	8-451-498			54	0.400.000.04	(KV-34HS420 ONLY)
* //1	A 444E E	(KV-34HS420 ONLY)		51	2-163-920-01	PLATE, TLH CORRECTION
* 41	1 A-1415-5	89-A WY (VAR) BOARD, N (KV-30HS420 ONLY)				(KV-30HS420 ONLY)
* 41	1 A-1415-6	,				
		(KV-34HS420 ONLY)				
		(				

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

#### 6-5.CHASSIS (KV-32HS420/36HS420)

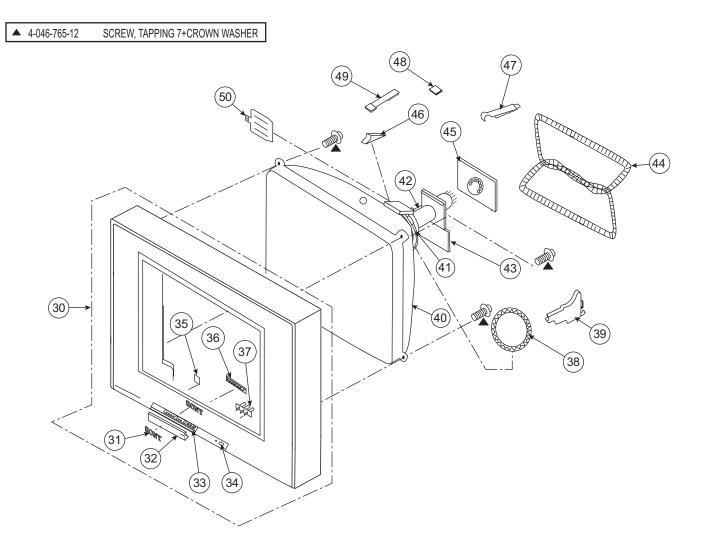


RE	EF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]			
	1	1-825-840-11	LOUDSPEAKER				
*	2	4-102-133-01	BOARD, BOTTOM				
*	3	A-1302-936-A	DZ BOARD, COMPLETE	<u>:</u>			
				ssociated with the FBT on			
				cluded and must be ordered			
			separately (SEE 5-7).				
$\triangle$	4	1-453-464-11	FBT ASSY, NX-6200//X4	J4 [5-7]			
$\triangle$	5	1-900-808-42	WIRE ASSY, G2				
			(KV-32HS420 ONLY)				
$\triangle$	5	1-900-805-22	CONNECTOR ASSY, G2	! HV			
			(KV-36HS420 ONLY)				
	6	1-900-805-19	WIRE ASSY, FOCUS HV				
<u>/!\</u>	7	1-251-715-22	CAP ASSY, HIGH-VOLTA	4GE			
	•	1 001 010 01					
	8	4-084-918-01	HOLDER, HV CABLE				
*	9	4-102-135-01	(KV-32HS420 ONLY)				
	10	4-102-135-01 4-102-764-01	BRACKET, U				
*	10	4-102-764-01 A-1302-938-A	LABEL, TERMINAL	=			
	11	A-1302-930-A	UY BOARD, COMPLETE	<u> </u>			
*	12	A-1302-939-A	P BOARD, COMPLETE				
*	12	A-1085-903-A	PA BOARD, COMPLETE				
		The P and PA Boa	ards are interchangeable.				
		Either board can	be used as a replacement	nt.			

]	REF. NO.	PART NO.	DESCRIPTION
	<b>1</b> 3	1-829-088-11	P-F CABLE
	* 14	A-1302-940-A	BY BOARD, COMPLETE
	<u> </u>	8-598-593-40	TUNER, FSS BTF-WA421
	16	1-500-586-11	FILTER, CLAMP (FERRITE CORE)
d			,
	<b>△</b> 17	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
	* 18	A-1302-937-A	MY BOARD, COMPLETE
	* 19	A-1302-941-A	AY BOARD, COMPLETE
			(KV-32HS420 ONLY)
	* 19	A-1073-921-A	AY BOARD, COMPLETE
			(KV-36HS420 ONLY)
	* 20	A-1302-942-A	HBY BOARD, COMPLETE
	* 21	A-1405-292-A	HAX BOARD, MOUNTED
	* 22	A-1302-943-A	HCX BOARD, COMPLETE
	* 23	4-102-134-01	BRACKET, H
	* 24	4-095-271-11	BRACKET, MAIN
	25	4-102-132-01	COVER, REAR
			(KV-32HS420 ONLY)
	25	4-102-125-01	COVER, REAR
			(KV-36HS420 ONLY)
			·

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

## 6-6.PICTURE TUBE (KV-32HS420/36HS420)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION
30	X-4042-955-1	BEZNET ASSY	[31-37]	* 43	A-1415-602-A	WY (VAR) BOARD, MOUNTED
		(KV-32HS420 ONLY)				
30	X-4042-954-1	BEZNET ASSY	[31-35]	<b>△</b> 44	1-416-827-21	COIL, DEGAUSSING
		(KV-36HS420 ONLY)				(KV-32HS420 ONLY)
31	3-704-179-61	EMBLEM, SONY (NO.	9)	<u> </u>	1-456-072-21	COIL, DEGAUSSING
32	4-102-127-11	DOOR, CONTROL				(KV-36HS420 ONLY)
				* 45	A-1400-550-A	CH BOARD, MOUNTED
33	4-102-130-01	LABEL, FRONT CONT	ROL			
34	4-102-129-11	BUTTON, POWER		46	4-053-005-01	SPACER, DY
35	4-102-131-01	DAMPER, DOOR				(KV-32HS420 ONLY)
36	4-102-128-01	GUIDE, LED		46	2-164-116-01	SPACER, DY
	,	D WITH KV-36HS420 BEZ	NET ASSY)			(KV-36HS420 ONLY)
37	4-093-611-12	BUTTON, MULTI		47	4-102-284-01	CLIP, DGC
	(NOT INCLUDE	D WITH KV-36HS420 BEZ	NET ASSY)			(KV-32HS420 ONLY)
•				47	4-065-895-12	HOLDER, DGC
⚠ 38	1-451-498-41	COIL, NA ROTATION				(KV-36HS420 ONLY)
39	4-102-136-01	SUPPORTER, CRT				
<b>△</b> 40	8-735-047-05	CRT 34RSN (A80LPD8	30X)	48	1-452-885-11	MAGNET, LANDING
<b>A</b>		(KV-32HS420 ONLY)				(ALL EXCEPT KV-36HS420)
<b>△</b> 40	8-735-048-05	CRT 38RSN		49	4-083-414-01	PIECE A(110), CONV CORRECT
		(KV-36HS420 ONLY)				(KV-32HS420 ONLY)
۸				49	4-085-128-01	PIECE A(110), CONV CORRECT
<b>△</b> 41	8-451-512-12	DY Y34RSC-M				(KV-36HS420 ONLY)
A		(KV-32HS420 ONLY)		50	4-081-170-01	PLATE, TLH CORRECTION
<b>△</b> 41	8-451-516-21	DY Y38RSC-V				
A 10	0.450.000.04	(KV-36HS420 ONLY)	200 110			
<b>△</b> 42	8-453-023-21	NECK ASSEMBLY NA:	328-M2			

#### **SECTION 7: ELECTRICAL PARTS LIST**

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol: 

indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

**RESISTORS** 

- · All resistors are in ohms
- F: nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When ordering parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
<b>D</b> 7	1					C5012	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
$\square \square \angle$						C5013	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
<u> </u>	A 4202 022 A	DZ DOADD COM	DI ETE			C5014	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
	A-1302-933-A	•	PLEIE			C5016	1-130-783-71	MYLAR	0.33µF	10%	100V
*	A-1302-934-A	9DRC420LN ONLY)  DZ BOARD, COM	DI ETE			C5017	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
	(KV-30HS420 Of	· ·	r LL I L								
*	1	DZ BOARD, COM	PLETE			C5018	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
		4HS420, 36HS420 ONLY				C5019	1-126-968-11	ELECT	100µF	20%	50V
*	A-1303-009-A					C5020	1-104-665-11	ELECT	100µF	20%	25V
	(KV-29DRC420L	·				C5022	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
		,				C5024	1-102-038-00	CERAMIC	0.001µF		500V
The high-v	oltage leads associ	iated with the FBT on the	DZ board are	not incl	uded and						
-	-	Order the following leads				C5028	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	. ,	J		J			`	V-29DRC420LS)			
$\triangle$	1-251-374-14	CAP ASSY, HIGH-VC	LTAGE			C5029	1-115-349-51	CERAMIC CHIP	0.01µF		2KV
	(KV-27HS420, 29	9DRC420 ONLY)					(KV-30HS420 O	'			
$\triangle$	1-251-715-22	CAP ASSY, HIGH-VC	LTAGE			C5030	1-137-365-11	MYLAR	0.0015µF	5%	50V
	(KV-30HS420, 32	2HS420, 34HS420, 36HS	3420 ONLY)								
$\triangle$	1-900-805-19	WIRE ASSY, FOCUS	HV			C5031	1-162-965-11	CERAMIC CHIP	0.0015µF		50V
$\triangle$	1-900-805-22	CONNECTOR ASSY,	G2 HV			C5032	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
	(KV-36HS420 Of	NLY)				C5033	1-130-495-00	MYLAR	0.1µF	5%	50V
$\triangle$	1-900-808-42	WIRE ASSY, G2				C5035	1-104-665-11	ELECT	100µF	20%	25V
	(ALL EXCEPT K	V-36HS420)				C5036	1-126-941-11	ELECT	470µF	20%	25V
	4-382-854-01	SCREW (M3X8), P, S	(+)			C5039	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
	4-382-854-21	SCREW (M3X14), P,	. ,				(ALL EXCEPT K	V-29DRC420LS)			
	1 002 00 1 21	CONEW (MOXIN), I,	OTT (1)			C5040	1-126-935-11	ELECT	470µF	20%	16V
	CAPACITOR					C5041	1-126-935-11	ELECT	470µF	20%	16V
	CAPACITOR					C5044	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C5001	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V						
C5002	1-106-383-00	MYLAR	0.047µF	10%	200V	C5045	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C5003	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V	C5046	1-162-971-11	CERAMIC CHIP	0.001µF	10%	50V
C5004	1-106-383-00	MYLAR	0.047µF	10%	200V	C5047	1-162-971-11	CERAMIC CHIP	0.001µF	10%	50V
C5005	1-126-235-11	ELECT	100μF	20%	16V	C5048	1-162-953-11	CERAMIC CHIP	100pF	5%	50V
						C5049	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C5006	1-126-964-11	ELECT	10µF	20%	50V						
C5007	1-126-941-11	ELECT	470µF	20%	25V	C5050	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5009	1-126-941-11	ELECT	470µF	20%	25V	C5051	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C5010	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V	C5052	1-126-947-11	ELECT	47µF	20%	35V
C5011	1-107-641-11	ELECT	220µF	20%	160V	C5053	1-106-220-00	MYLAR	0.1µF	10%	100V
						C5054	1-104-666-11	ELECT	220µF	20%	25V

<sup>\*</sup> Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.



REF. NO.	PART NO.	DESCRIPTION	VALUES	3		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
C5056	1-162-318-11	CERAMIC	0.001µF	10%	500V	C5511	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5057	1-104-332-11	CERAMIC	470pF	10%	2KV	C5512	1-162-974-11	CERAMIC CHIP	0.01µF		50V
	(ALL EXCEPT K	V-30HS420)	•			C5513	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C5058	1-162-116-00	CERAMIC	680pF	10%	2KV	C5514	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C5059	1-162-116-00	CERAMIC	680pF	10%	2KV	C5515	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5060	1-137-417-11	MYLAR	0.015µF	10%	100V	000.0	02 0.0	02.0	0.0.1	. 0 , 0	-0.
00000		=	0.0.0	.070		C5516	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5061	1-117-833-21	FILM	5100pF	3%	1.5KV	C5517	1-129-716-00	FILM	0.015µF	5%	400V
	(KV-30HS420 O		- · · · · · · ·			C5518	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5061	1-117-837-21	FILM	7500pF	3%	1.5KV	C5519	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
•		9DRC420LN ONLY)		0,0		333.13	(KV-30HS420 O			0,0	
C5061	1-117-839-11	FILM	9100pF	3%	1.5KV		(117 00110 120 0	1121)			
00001		4HS420, 36HS420, 29DF	•		110111	C5519	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
	(117 02110 120, 0	1110 120, 00110 120, 2001	10 12020 0112	' /		00010	(ALL EXCEPT K		0.0 π μι	1070	101
C5064	1-117-665-11	FILM	0.33µF	5%	250V	C5520	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
00004	(KV-30HS420 O		0.00μ1	<b>3</b> /0	200 V	C5521	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5064	1-117-667-71	FILM	0.47µF	5%	250V	C5522	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
03004		9DRC420LN ONLY)	υ. τι μι	J /0	200 V	00022	1-110-410-11	OLIVAIVIIO OFIII	0.00 τμι	J /0	201
C5064	1-117-668-31	FILM	0.56µF	5%	250V	C5523	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
03004		4HS420, 36HS420, 29DF	•		230 V	C5524	1-107-826-11	CERAMIC CHIP	0.01μF	10%	16V
	(111-32113420, 3	41 10420, 301 10420, 2301	NO420LO ONL	')		C5526	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C5065	1-107-506-11	FILM	0.68µF	3%	400V	C5527	1-162-970-11	CERAMIC CHIP	0.0033μ1 0.01μF	10%	25V
C3003		4HS420, 36HS420, 29DF	•		4001	C5527	1-102-970-11	FILM	0.0039µF		630V
C5065	1-109-837-11	FILM	0.56µF	3%	400V	03320	1-129-709-91	LITINI	0.0039μΓ	3/0	030 V
C3003		9DRC420LN ONLY)	υ.σομτ	370	4001	C5529	1-162-970-11	CERAMIC CHIP	0.01E	10%	25V
C5065	1-117-664-11	FILM	0.27µF	3%	250V	C5529 C5530	1-102-970-11	FILM	0.01μF 0.15μF	5%	50V
C3003			υ.21μΓ	370	230 V				•		50V 50V
	(KV-30HS420 O	INLT)				C5531	1-130-495-00	MYLAR	0.1µF	5%	50V 50V
CEOGG	1 100 001 11	CEDAMIC	0.0045	100/	500V	C5533	1-126-961-11	ELECT	2.2µF	20%	
C5066	1-109-921-11	CERAMIC	0.0015µF		16V	C5534	1-126-947-11	ELECT	47µF	20%	35V
C5070	1-107-826-11	CERAMIC CHIP	0.1µF	10%		05505	4 400 047 44	FLECT	47	200/	25/
C5071	1-107-826-11 1-162-966-11	CERAMIC CHIP	0.1μF 0.0022μF	10%	16V 50V	C5535	1-126-947-11	ELECT	47μF 0.001μF	20%	35V 50V
C5074		CERAMIC CHIP		10%		C5540	1-162-964-11 1-137-194-81	CERAMIC CHIP	'	10%	
C5075	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C5548		FILM	0.47µF	5%	50V
05070	4 407 000 44	CEDAMIC CLUD	0.4	400/	40\/	C5550	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C5076	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C5551	1-126-947-11	ELECT	47µF	20%	35V
C5077	1-164-360-11	CERAMIC CHIP	0.1µF	400/	16V	05550	4 400 047 44	FLEOT	47	000/	051/
C5078	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V	C5552	1-126-947-11	ELECT	47µF	20%	35V
C5079	1-162-965-11	CERAMIC CHIP	0.0015µF		50V	C5598	1-126-947-11	ELECT	47μF	20%	35V
C5082	1-117-832-21	FILM	4700pF	3%	1.5KV	C5609	1-104-665-11	ELECT	100µF	20%	25V
	(KV-30HS420 O	NLY)				C5623	1-104-665-11	ELECT	100µF	20%	25V
					. =	C6502	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C5082	1-117-837-21	FILM	7500pF	3%	1.5KV						
		9DRC420LN ONLY)				C6503	1-131-940-11	ELECT	1200µF	20%	250V
C5082	1-117-839-11	FILM	9100pF	3%	1.5KV	C6507	1-130-495-00	MYLAR	0.1µF	5%	50V
<b>.</b>	•	4HS420, 36HS420, 29DF		•		C6508	1-126-947-11	ELECT	47μF	20%	35V
C5084	1-126-941-11	ELECT	470µF	20%	25V	C6510	1-130-495-00	MYLAR	0.1µF	5%	50V
						C6511	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C5086	1-126-941-11	ELECT	470µF	20%	25V	_					
C5502	1-126-941-11	ELECT	470µF	20%	25V	C6513	1-126-940-11	ELECT	330µF	20%	25V
C5504	1-126-947-11	ELECT	47µF	20%	35V	C6514	1-126-767-11	ELECT	1000µF	20%	16V
C5505	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C6515	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C5506	1-162-962-11	CERAMIC CHIP	470pF	10%	50V	C6516	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	<b></b>										10E



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
C6517	1-126-963-11	ELECT	4.7µF	20%	50V	C8031	1-126-933-11	ELECT	100µF	20%	16V
C6518	1-136-479-11	FILM	0.001µF	5%	100V	C8032	1-136-813-11	FILM	680pF	5%	100V
C6519	1-126-964-11	ELECT	10μF	20%	50V	C8033	1-126-964-11	ELECT	10μF	20%	50V
C6525	1-125-969-91	CERAMIC	680pF	10%	1KV	C8035	1-100-614-81	CERAMIC	330pF	5%	1KV
C6526	1-125-969-91	CERAMIC	680pF	10%	1KV	C8036	1-100-614-81	CERAMIC	330pF	5%	1KV
CCEOO	4 407 744 00	ГИМ	200005	20/	800V	C8037	1-165-953-11	FILM	47000pF	3%	800V
C6532	1-137-741-22	FILM	39000pF	3%		C8040	1-126-969-11	ELECT	220µF	20%	50V
C6546	1-126-974-11	ELECT	3300µF	20%	50V	C8041	1-130-777-00	MYLAR	220μ1 0.1μF	5%	100V
C6549	1-126-969-11	ELECT	220µF	20%	50V	C8041	1-136-189-00	MYLAR	0.1μF	10%	250V
C6550	1-126-968-11	ELECT	100µF	20%	50V						
C6551	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V	C8045	1-130-475-00	MYLAR	0.0022µF	5%	50V
C6552	1-126-937-11	ELECT	4700µF	20%	16V	C8046	1-107-444-11	CERAMIC	100pF	5%	2KV
C6554	1-126-768-11	ELECT	2200µF	20%	16V		(ALL EXCEPT K	V-30HS420)			
C6555	1-104-665-11	ELECT	100μF	20%	25V	C8047	1-162-130-11	CERAMIC	180pF	10%	2KV
C6556	1-131-867-51	ELECT	100µF		160V		(ALL EXCEPT K	V-30HS420)			
C6557	1-107-654-11	ELECT	33μF	20%	250V	C8048	1-137-378-11	MYLAR	0.22µF	5%	50V
C6558	1-126-967-11	ELECT	47µF	20%	50V	C8050	1-100-122-31	FILM	0.022µF	5%	400V
C6559	1-126-942-61	ELECT	47μ1 1000μF	20%	25V	00000	(ALL EXCEPT K		0.02241	070	1001
C6584	1-120-942-01	MYLAR		10	0V	C8050	1-129-718-00	FILM	0.022µF	5%	630V
C6590	1-100-020-01	ELECT	0.1µF 1200µF	20%	250V	00000	(KV-29DRC420L		0.022μι	<b>3</b> /0	000 V
						C8051	1-126-964-11	ELECT	10µF	20%	50V
C6592	1-119-898-51	CERAMIC	470pF	10%	250V	00031	1-120-304-11	LLLOT	ιομι	2070	30 V
C6593	1-126-768-11	ELECT	2200µF	20%	16V	C8052	1-104-665-11	ELECT	100µF	20%	25V
C6595	1-104-666-11	ELECT	220µF	20%	25V	C8053	1-162-117-00	CERAMIC	100pF	10%	500V
C6596	1-126-960-11	ELECT	1μF	20%	50V	C8054	1-102-244-00	CERAMIC	220pF	10%	500V
C6597	1-126-943-11	ELECT	2200µF	20%	25V	C8055	1-100-144-31	FILM	0.0068µF	5%	630V
C8001	1-126-964-11	ELECT	10μF	20%	50V		(KV-30HS420 O	NLY)			
C8002	1-126-964-11	ELECT	10μF	20%	50V	C8055	1-136-535-91	FILM	0.0018µF	5%	630V
C8003	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		(ALL EXCEPT K				
C8005	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C8056	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8006	1-126-960-11	ELECT	0.1μF	20%	50V	C8058	1-137-194-81	FILM	0.47µF	5%	50V
C8007	1-162-971-11	CERAMIC CHIP		10%	50V	C8059	1-126-947-11	ELECT	47µF	20%	35V
00040		5, 507	47.5	000/	05) (	C0060	1 100 271 00	FLECT	0.045		2001/
C8012	1-126-947-11	ELECT	47μF	20%	35V	C8060	1-106-371-00	ELECT	0.015µF		200V
C8015	1-126-947-11	ELECT	47μF	20%	35V	00000	(KV-30HS420 O	•	4.7	000/	4001/
C8016	1-130-495-00	MYLAR	0.1µF	5%	50V	C8060	1-107-635-11	ELECT	4.7µF	20%	160V
C8017	1-126-964-11	ELECT	10μF	20%	50V	00000	(ALL EXCEPT K	·	40000 F	00/	0001/
C8018	1-126-964-11	ELECT	10μF	20%	50V	C8063	1-165-607-91	FILM	10000pF	3%	800V
C8020	1-130-495-00	MYLAR	0.1µF	5%	50V	C8065	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C8021	1-162-974-11	CERAMIC CHIP	0.01µF		50V	C8073	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C8024	1-126-967-11	ELECT	47µF	20%	50V	C8074	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8025	1-126-947-11	ELECT	47μF	20%	35V	C8075	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8027	1-130-495-00	MYLAR	0.1µF	5%	50V	C8076	1-126-963-11	ELECT	4.7μF	20%	50V
C0000	1 160 066 11	CEDAMIC CUID	0.00000-	100/	50\/	C8077	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8028 C8030	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C8077	1-102-970-11	CERAMIC CHIP	0.01µF 0.22µF	10%	16V
LAUSU	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		1-162-966-11	CERAMIC CHIP			50V
00000						C8139		('FKVIIII I HID	0.0022µF	7/10/-	5011



	REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
		CONNECTOR			D5508	8-719-404-50	DIODE	MA111-TX
+	ONIFOOA	4 770 000 44	CONNECTOR ROADS	TO DOADD 40D	D5511	8-719-062-51	DIODE	1PS226-115
	CN5001	1-779-890-11	CONNECTOR, BOARD		D5512	8-719-062-51	DIODE	1PS226-115
*	CN5002	1-580-798-11	CONNECTOR PIN (DY)		D5513	8-719-404-50	DIODE	MA111-TX
	CN5003	1-564-507-11	PLUG, CONNECTOR	4P	D5514	8-719-060-90	DIODE	S2L60F
*	CN5009	1-779-890-11	CONNECTOR, BOARD					
*	CN5011	1-779-890-11	CONNECTOR, BOARD	TO BOARD 10P	D5515	8-719-404-50	DIODE	MA111-TX
					D6502	8-719-979-64	DIODE	UF4005PKG23
*	CN5509	1-564-512-11	PLUG, CONNECTOR	9P	D6504	8-719-075-66	DIODE	D5LC20U-4012
		(KV-29DRC420L	,		D6505	8-719-404-50	DIODE	MA111-TX
*	CN5509	1-564-515-11	PLUG, CONNECTOR	12P	D6508	8-719-982-27	DIODE	MTZJ-33C
		(ALL EXCEPT K	•					
*	CN6502	1-766-240-11	PIN, CONNECTOR (PC	BOARD) 2P	D6509	8-719-068-00	DIODE	ERC04-06SE
					20000	(ALL EXCEPT K		211001 0002
*	CN6503	1-564-508-11	PLUG, CONNECTOR	5P	D6510	8-719-068-00	DIODE	ERC04-06SE
*	CN6504	1-564-515-11	PLUG, CONNECTOR	12P	50010	(ALL EXCEPT K		LIVOOT OOOL
*	CN6506	1-779-890-11	CONNECTOR, BOARD	TO BOARD 10P	D6513	8-719-510-12	DIODE	D10SC4M
					D0313	0-713-310-12	DIODL	D10004W
					D6514	8-719-060-89	DIODE	D4SBS6-F
		<u>DIODE</u>			D6516	8-719-075-66	DIODE	D5LC20U-4012
	DE004	0.740.000.00	DIODE	UD70TE 474.7D	D6518	8-719-052-90	DIODE	D1NL40-TA2
	D5001	8-719-083-60	DIODE	UDZSTE-174.7B	D6519	8-719-063-74	DIODE	D1NL20U-TR2
	D5002	8-719-908-03	DIODE	GP08D	D6520	8-719-063-74	DIODE	D1NL20U-TR2
	D5003	8-719-028-45	DIODE	D2L20U	50020	0 7 10 000 7 1	5.052	DINEEUO INE
	D5004	8-719-083-82	DIODE	UDZS-TE17-12B	D6521	8-719-404-50	DIODE	MA111-TX
	D5005	8-719-404-50	DIODE	MA111-TX	D6523	8-719-060-89	DIODE	D4SBS6-F
					D6524	8-719-062-40	DIODE	D4SBL20µF3
	D5006	8-719-404-50	DIODE	MA111-TX	D6525	8-719-982-27	DIODE	MTZJ-33C
	D5007	8-719-404-50	DIODE	MA111-TX	D6530	8-719-510-53	DIODE	D4SB60L
	D5008	8-719-404-50	DIODE	MA111-TX	D0000	0-7 19-3 10-33	DIODE	D43D00L
	D5010	8-719-404-50	DIODE	MA111-TX	D6532	8-719-948-45	DIODE	ERA22-08
	D5011	8-719-109-63	DIODE	RD3.0ESB2			DIODE	
					D6533	8-719-404-50		MA111-TX
	D5014	8-719-075-66	DIODE	D5LC20U-4012	D6534	8-719-404-50	DIODE	MA111-TX
	D5016	8-719-028-45	DIODE	D2L20U	D6537	8-719-404-50	DIODE	MA111-TX
	D5017	8-719-028-45	DIODE	D2L20U	D6538	8-719-109-85	DIODE	RD5.1ESB2
	D5018	8-719-083-83	DIODE	UDZS-TE17-15B	Boood	0.740.404.50	DIODE	MAAAA TV
	D5019	8-719-404-50	DIODE	MA111-TX	D8001	8-719-404-50	DIODE	MA111-TX
					D8003	8-719-404-50	DIODE	MA111-TX
	D5023	8-719-061-21	DIODE	FMQ-G5FMS	D8005	8-719-404-50	DIODE	MA111-TX
	D5027	8-719-404-50	DIODE	MA111-TX	D8006	8-719-063-74	DIODE	D1NL20U-TR2
	D5028	8-719-404-50	DIODE	MA111-TX	D8007	8-719-404-50	DIODE	MA111-TX
	D5032	8-719-404-50	DIODE	MA111-TX				
	D5035	8-719-302-43	DIODE	EL1Z	D8009	8-719-083-83	DIODE	UDZS-TE17-15B
		-			D8010	8-719-979-64	DIODE	UF4005PKG23
	D5036	8-719-302-43	DIODE	EL1Z	D8011	8-719-110-41	DIODE	RD15ESB2
	D5501	8-719-404-50	DIODE	MA111-TX	D8012	8-719-110-41	DIODE	RD15ESB2
	D5502	8-719-404-50	DIODE	MA111-TX	D8013	8-719-083-83	DIODE	UDZS-TE17-15B
	D5504	8-719-404-50	DIODE	MA111-TX				
	D5504	8-719-404-50	DIODE	MA111-TX	D8014	8-719-083-83	DIODE	UDZS-TE17-15B
	20000	3 1 10 10 10 00	SIQUE	111/1/11/11/1	D8015	8-719-404-50	DIODE	MA111-TX
					D8016	8-719-948-45	DIODE	ERA22-08
					D8017	8-719-948-45	DIODE	ERA22-08

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALUES	
08018	8-719-948-45	DIODE	ERA22-08		IC8002	6-705-810-01	IC	MCZ3001DB	
08022	8-719-063-74	DIODE	D1NL20U-TR2		IC8004	8-759-701-01	IC	NJM2904M	
08023	8-719-109-85	DIODE	RD5.1ESB2	$\triangle$	IC8005	6-706-127-01	IC	TL1431ACZ-AP	
08024	8-719-109-85	DIODE	RD5.1ESB2		IC8006	8-759-700-07	IC	NJM2903M	
D8026	8-719-404-50	DIODE	MA111-TX	$\wedge$	IC8104	6-706-127-01	IC	TL1431ACZ-AP	
70020	0-713-404-00	DIODE	IVIATIT-TA	7.3	100104	0-700-127-01	10	1E1 <del>4</del> 31A02-AI	
D8028	8-719-069-54	DIODE	UDZSTE-175.1B						
D8030	8-719-083-66	DIODE	UDZSTE-1718B			CHIP CONDUCT	OR		
D8034	8-719-921-63	DIODE	MTZJ-7.5B			OTHE CONDOCT	<del>ON</del>		
08140	8-719-404-50	DIODE	MA111-TX		JR5000	1-216-864-11	SHORT CHIP		
		-			JR5001	1-216-864-11	SHORT CHIP		
					JR5002	1-216-864-11	SHORT CHIP		
					JR5003	1-216-864-11	SHORT CHIP		
	FERRITE BEAD				JR5004	1-216-864-11	SHORT CHIP		
FB5001	1-410-397-21	FERRITE	1.1µH		0110001	1210 001 11	OHORY OHII		
B5001	1-543-298-11	FERRITE	0μH		JR5005	1-216-864-11	SHORT CHIP		
			•				SHORT CHIP		
B5003	1-410-397-21	FERRITE	1.1µH		JR5006	1-216-864-11	SHORT CHIP		
B6501	1-410-397-21	FERRITE	1.1µH		JR5007	1-216-864-11			
-B6508	1-410-396-41	FERRITE	0.45µH		JR5008	1-216-864-11	SHORT CHIP		
					JR5009	1-216-864-11	SHORT CHIP		
FB6509	1-410-396-41	FERRITE	0.45µH						
B6519	1-410-397-21	FERRITE	1.1µH		JR5010	1-216-864-11	SHORT CHIP		
B6520	1-412-911-11	FERRITE	0μΗ		JR5011	1-216-864-11	SHORT CHIP		
B6521	1-412-911-11	FERRITE	0μΗ		JR5012	1-216-864-11	SHORT CHIP		
B8001	1-412-911-11	FERRITE	0μΗ		JR5013	1-216-864-11	SHORT CHIP		
B8002	1-412-911-11	FERRITE	0μΗ		JR5014	1-216-864-11	SHORT CHIP		
					ID FO 4 F		011007-01110		
					JR5015	1-216-864-11	SHORT CHIP		
	<u>IC</u>				JR5016	1-216-864-11	SHORT CHIP		
CE004	0.750.704.04	10	N IM2004M		JR5065	1-216-864-11	SHORT CHIP		
C5001	8-759-701-01	IC	NJM2904M		JR5501	1-216-864-11	SHORT CHIP		
C5002	8-759-700-07	IC	NJM2903M		JR5504	1-216-864-11	SHORT CHIP		
C5003	8-759-701-01	IC	NJM2904M						
	(ALL EXCEPT K	•			JR5505	1-216-864-11	SHORT CHIP		
C5004	8-759-696-71	IC	STV9379A		JR8000	1-216-864-11	SHORT CHIP		
					JR8001	1-216-864-11	SHORT CHIP		
C5005	8-759-803-42	IC	LA6500-FA		JR8002	1-216-864-11	SHORT CHIP		
C5006	8-749-013-76	IC	PQ6RD83B		JR8003	1-216-864-11	SHORT CHIP		
C5007	8-759-981-61	IC	LM2901M						
C5502	8-759-981-61	IC	LM2901M		JR8005	1-216-864-11	SHORT CHIP		
C5504	8-759-803-42	IC	LA6500-FA		JR8006	1-216-864-11	SHORT CHIP		
C5506	8-759-803-42	IC	LA6500-FA		JR8007	1-216-864-11	SHORT CHIP		
C5511					JR8022	1-216-864-11	SHORT CHIP		
	8-759-701-01	IC	NJM2904M		JR8023	1-216-864-11	SHORT CHIP		
C5512	8-759-929-65	IC	LM7912CT		JR8052	1-216-864-11	SHORT CHIP		
C5515	8-759-701-01	IC	NJM2904M			(KV-29DRC420L	S ONLY)		
C6501	6-705-810-01	IC	MCZ3001DB						
C6502	6-700-897-01	IC	PQ12RD21			•••			
C6503	8-749-012-13	IC	DM-58			COIL			
C6505					I 5001	1_406 665 11	INIDI ICTOD	100⊔	
ししいしい	8-749-921-86	IC	SE-140N		L5001 L5003	1-406-665-11 1-406-892-31	INDUCTOR INDUCTOR	100μH 4MH	
C8001	8-759-700-07	IC	NJM2903M						



REF. NO.	PART NO.	DESCRIPTION	VALUE	S	REF. NO.	PART NO.	DESCRIPTION	VALUES
L5005	1-419-196-11	COIL, HORIZONTAL L	INEARITY			TRANSISTOR		
		DRC420LN ONLY)			Q5001	8-729-422-27	TRANSISTOR	2SD601A-Q
L5005	1-424-874-11	COIL, HORIZONTAL L	INEARITY		· ·			
	(KV-32HS420, 34	4HS420, 36HS420, 29DR	C420LS ONL	.Y)	Q5002	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L5005	1-424-997-11	COIL, HORIZONTAL L	INEARITY		Q5003	8-729-027-97	TRANSISTOR	IRFI9630G-LF
	(KV-30HS420 Of	NLY)			Q5004	8-729-019-57	TRANSISTOR	2SA1208S-TP
	(	,			Q5005	8-729-422-27	TRANSISTOR	2SD601A-Q
L5504	1-406-987-21	INDUCTOR	4.7MH		Q5006	8-729-422-27	TRANSISTOR	2SD601A-Q
	(KV-30HS420 Of				Q5007	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L5504	1-406-989-21	INDUCTOR	10MH					
	(ALL EXCEPT K	V-30HS420)			Q5008	8-729-422-27	TRANSISTOR	2SD601A-Q
L5505	1-406-989-21	INDUCTOR	10MH		Q5009 Q5010	8-729-422-27 8-729-422-27	TRANSISTOR TRANSISTOR	2SD601A-Q 2SD601A-Q
1.5500	4 400 007 04	INDUCTOR	4.71411		Q3010	0-123-422-21	TRANSISTOR	200001A-Q
L5506	1-406-98721	INDUCTOR	4.7MH		Q5011	8-729-422-27	TRANSISTOR	2SD601A-Q
1.0504	(KV-30HS420 Of	•	40.11		Q5012	8-729-119-80	TRANSISTOR	2SC2688-LK
L6501	1-412-525-31	INDUCTOR	10µH		Q5013	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6502	1-412-525-31	INDUCTOR	10µH		Q5014	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6503	1-412-525-31	INDUCTOR	10µH		Q5014 Q5015	8-729-046-80	TRANSISTOR	2SC4634LS-CB11
					Q0013			2004004L0-0011
L6505	1-406-665-11	INDUCTOR	100µH			(ALL EXCEPT K	V-29DRG420L3)	
L6506	1-412-525-31	INDUCTOR	10µH		05040	0.700.400.07	TDANIOIOTOD	0000044.0
L6507	1-412-525-31	INDUCTOR	10µH		Q5018	8-729-422-27	TRANSISTOR	2SD601A-Q
L6510	1-412-523-41	INDUCTOR	6.8µH		Q5019	8-729-422-27	TRANSISTOR	2SD601A-Q
L6511	1-412-523-41	INDUCTOR	6.8µH		Q5020	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
					Q5021	8-729-422-27	TRANSISTOR	2SD601A-Q
L6514	1-412-525-31	INDUCTOR	10µH		Q5022	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6517	1-412-521-31	INDUCTOR	4.7µH					
L6518	1-412-521-31	INDUCTOR	4.7μH		Q5023	8-729-422-27	TRANSISTOR	2SD601A-Q
L8002	1-428-950-31	INDUCTOR	125μH		Q5024	8-729-422-27	TRANSISTOR	2SD601A-Q
L8005	1-426-930-31	INDUCTOR	3.3MH		Q5025	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L0003			J.JIVII I		Q5026	8-729-422-27	TRANSISTOR	2SD601A-Q
	(ALL EXCEPT K	V-30HS420)			Q5027	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L8005	1-406-670-11	INDUCTOR	680µH					
	(KV-30HS420 Of	NLY)	•		Q5028	8-729-038-83	TRANSISTOR	2SK2251-01-F19
	,	,			Q5030	6-550-168-01	TRANSISTOR	2SC5682-RB
					Q5031	6-550-188-01	TRANSISTOR	2SK3579-01MR-F119
	DUOTO COUDI I	-n			Q5035	8-729-422-27	TRANSISTOR	2SD601A-Q
	PHOTO COUPLI	<u>:K</u>			Q5036	8-729-422-27	TRANSISTOR	2SD601A-Q
PH6501	8-749-016-81	PHOTO COUPLER	PC123Y2		05504	0 700 400 07	TDANOICTOD	20D604A O
PH6502	8-749-016-81	PHOTO COUPLER	PC123Y2		Q5501	8-729-422-27	TRANSISTOR	2SD601A-Q
PH8001	8-749-016-81	PHOTO COUPLER	PC123Y2	2	Q5502	8-729-422-27	TRANSISTOR	2SD601A-Q
PH8003	8-749-016-81	PHOTO COUPLER	PC123Y2	2	Q5503	8-729-422-27	TRANSISTOR	2SD601A-Q
PH8004	8-749-016-81	PHOTO COUPLER	PC123Y2	2	Q5504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
					Q5505	8-729-422-27	TRANSISTOR	2SD601A-Q
	10 1 11117				Q5506	8-729-422-27	TRANSISTOR	2SD601A-Q
	<u>IC LINK</u>				Q5507	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122
PS6505	1-576-288-41	IC LINK	10A	90V	Q5510	8-729-422-27	TRANSISTOR	2SD601A-Q
PS6506	1-576-288-41	IC LINK	10A	90V	Q5512	8-729-422-27	TRANSISTOR	2SD601A-Q
PS6550	1-576-288-41	IC LINK	10A	90V	Q5513	8-729-422-27	TRANSISTOR	2SD601A-Q
	(ALL EXCEPT K	V-29DRC420LS)						



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
Q5568	8-729-422-27	TRANSISTOR	2SD601	A-Q		R5014	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q5569	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(		(ALL EXCEPT K	V-30HS420)			
Q6506	8-729-052-32	TRANSISTOR	IRFIB7N	150A-LF31		R5014	1-218-698-11	METAL CHIP	1.8K	0.5%	1/10W
Q6507	8-729-052-32	TRANSISTOR	IRFIB7N	N50A-LF31			(KV-30HS420 O	NLY)			
Q6522	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(	R5015	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q6527	8-729-422-27	TRANSISTOR	2SD601	A-Q		R5016	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
Q6530	8-729-424-02	TRANSISTOR		A-QRS-TX	(		(ALL EXCEPT K				
Q6532	8-729-422-27	TRANSISTOR	2SD601			R5016	1-208-834-11	METAL CHIP	150K	0.5%	1/10W
Q8003	8-729-422-27	TRANSISTOR	2SD601	A-Q			(KV-30HS420 O				
Q8004	8-729-422-27	TRANSISTOR	2SD601	A-Q		R5017	1-208-832-11	METAL CHIP	120K	0.50%	1/10W
00007	0.700.400.07	TDANIOIOTOD	000001				(ALL EXCEPT K	V-30HS420)			
Q8007	8-729-422-27	TRANSISTOR	2SD601			DE047	1 000 001 11	METAL OLUB	4501/	0.50/	4/40/4/
Q8008	8-729-422-27	TRANSISTOR	2SD601		,	R5017	1-208-834-11	METAL CHIP	150K	0.5%	1/10W
Q8011	8-729-424-02	TRANSISTOR		A-QRS-TX		D=0.40	(KV-30HS420 O	•	4017	=0/	4/40144
Q8013	8-729-052-32	TRANSISTOR		150A-LF31		R5018	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8014	8-729-052-32	TRANSISTOR	IKFIB/N	150A-LF31		R5019	1-216-833-11	METAL CHIP	10K	5%	1/10W
00045	0.700.440.00	TDANICICTOD	200200	0.11/		R5020	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
Q8015	8-729-119-80	TRANSISTOR	2SC268			DEOOO	4 040 000 44	METAL CLUD	4017	<b>F</b> 0/	4/40\4/
Q8016	8-729-045-65	TRANSISTOR	2SA177			R5023	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W
Q8018 Q8019	8-729-043-95	TRANSISTOR	2SC384 2SD601	٠,,		R5024	1-216-833-11	METAL CHIP	10K 5.6K	5%	1/10W 1/10W
Q8020	8-729-422-27	TRANSISTOR				R5025	1-218-710-11	METAL CHIP			1/10W
Q8020	8-729-422-27	TRANSISTOR	2SD601	A-Q		R5026	1-216-833-11	METAL CHIP	10K	5%	
Q8021	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX		R5027	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q8022	8-729-424-02	TRANSISTOR		A-QRS-TX		R5028	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q8023	8-729-422-27	TRANSISTOR	2SD601			R5029	1-218-708-11	METAL CHIP	4.7K		1/10W
Q8028	8-729-422-27	TRANSISTOR	2SD601	A-Q		R5030	1-216-864-11	SHORT CHIP			
Q8034	8-729-422-27	TRANSISTOR	2SD601			R5031	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
Q8035	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(	R5033	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R5035	1-218-720-11	METAL CHIP	15K	0.5%	1/10W
	RESISTOR						(KV-30HS420 O				
						R5036	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5001	1-216-797-11	METAL CHIP	10	5%	1/10W	R5037	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5002	1-216-813-11	METAL CHIP	220	5%	1/10W	R5038	1-216-834-11	METAL CHIP	12K	5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R5004	1-208-832-11	METAL CHIP	120K		1/10W	R5040	1-218-748-11	METAL CHIP	220K		1/10W
R5005	1-216-813-11	METAL CHIP	220	5%	1/10W	R5041	1-249-383-11	CARBON	1.5	5%	1/4W
DE007	4 000 000 44	METAL OLUB	4001/	0.500/	4/40/1/	R5042	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5007	1-208-832-11	METAL CHIP	120K		1/10W	R5043	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5008	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5044	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5009	1-208-832-11	METAL CHIP	120K		1/10W						
R5010	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5045	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5011	1-208-832-11	METAL CHIP	120K	0.50%	1/10W	R5046	1-214-798-21	METAL	1.8	1%	1/2W
DE040	1 210 724 44	METAL CHIP	2014	0 500/	1/10\\\	R5047	1-249-421-11	CARBON	2.2K	5%	1/4W
R5012	1-218-724-11	METAL CHIP	22K		1/10W	R5048	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5013	1-216-373-11 (KV-30HS420 O	METAL OXIDE	2.2	5%	2W	R5049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5013	1-216-393-00	•	2.2	5%	3W	D		METAL COMP	4614	=c:	4/46***
NOUIS	(ALL EXCEPT K	METAL OXIDE	۷.۷	J 70	JVV	R5050	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EVOEL I V	v-JUI 1042UJ				R5051	1-249-414-11	CARBON	560	5%	1/4W
						R5052	1-214-796-00	METAL	1.5	1%	1/2W



REF. NO.	PART NO.	DESCRIPTION	VALU	ES	_	REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
R5053	1-215-890-11	METAL OXIDE	470	5%	2W	R5081	1-218-728-11	METAL CHIP	33K	0.5%	1/10W
	(ALL EXCEPT K	V-30HS420)					(KV-30HS420 O	NLY)			
R5053	1-215-892-11	METAL OXIDE	1K	5%	2W	R5081	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
	(KV-30HS420 O	NLY)					(ALL EXCEPT K	V-30HS420)			
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5082	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5060	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5083	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R5061	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5062	1-216-845-11	METAL CHIP	100K	5%	1/10W	R5085	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5063	1-218-722-11	METAL CHIP	18K		1/10W	R5086	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	(ALL EXCEPT K			0.0070	.,	R5087	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5063	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R5090	1-216-369-00	METAL OXIDE	1	5%	2W
110000	(KV-30HS420 O		LLIN	0.0070	.,,,,,,,	R5091	1-249-389-11	CARBON	4.7	5%	1/4W
R5064	1-218-748-11	METAL CHIP	220K	0.50%	1/10W	R5092	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5065	1-218-749-11	METAL CHIP	240K		1/10W	R5092	1-218-717-11	METAL CHIP	11K		1/10W
110000	(KV-30HS420 O		<b>∠</b> <del>7</del> ∪[\	0.00 /0	1/ 1044	R5095	1-249-377-11	CARBON	0.47	5%	1/4W
R5065	1-218-750-11	METAL CHIP	270K	0.50%	1/10W	R5096	1-249-377-11	CARBON	0.47	5%	1/4W
113003	(ALL EXCEPT K	-	27010	0.3076	1/1000	R5097	1-249-380-11	CARBON	0.47	5%	1/4W
R5066	1-218-746-11	METAL CHIP	180K	0.50%	1/10W	R5097	1-249-379-11	CARBON	0.68	5%	1/4W
N3000	(ALL EXCEPT K		TOUR	0.50 /6	1/1000	R5101	1-249-379-11	METAL CHIP	4.7K		1/ <del>1</del> 0W
R5066	1-218-748-11	METAL CHIP	220K	0.50%	1/10W	R5101		METAL CHIP	4.7K		1/10W
K0000	(KV-30HS420 O		22UN	0.50%	1/1000	K3102	1-218-692-11	METAL CHIP	IN	0.50%	1/1000
	(NV-30H3420 O	NLT)				R5103	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R5068	1-218-750-11	METAL CHIP	270K	0.50%	1/10W	R5104	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EXCEPT K				.,	R5105	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5069	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5106	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	(ALL EXCEPT K			-,-	.,	R5107	1-249-393-11	CARBON	10	5%	1/4W
R5070	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W					-,-	.,
	(ALL EXCEPT K		0.0.0	0.0070	.,	R5108	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
	(/ 122 2/102)	. 202110 12020)				R5109	1-218-728-11	METAL CHIP	33K		1/10W
R5071	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R5110	1-249-401-11	CARBON	47	5%	1/4W
	(ALL EXCEPT K		0.0	0.0070	.,	R5111	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R5072	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5112	1-216-813-11	METAL CHIP	220	5%	1/10W
110072	(ALL EXCEPT K		1011	070	.,,,,,,,	110112	121001011	ME I/ LE OT III		070	1, 1011
R5073	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5113	1-260-107-11	CARBON	4.7K	5%	1/2W
110010		V-29DRC420LS)	1011	070	.,,,,,,,	R5115	1-249-417-11	CARBON	1K	5%	1/4W
	(////	7 202110 12020)				R5116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5074	1-260-328-11	CARBON	1K	5%	1/2W	R5117	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		V-29DRC420LS)	113	J /U	.,,	R5118	1-216-797-11	METAL CHIP	10	5%	1/10W
R5076	1-215-900-11	METAL OXIDE	22K	5%	2W	1.0110	1 = 10 101 11		10	370	.,
		V-29DRC420LS)	££1\	<b>U</b> /U	-''	R5120	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R5077	1-215-900-11	METAL OXIDE	22K	5%	2W	R5124	1-216-809-11	METAL CHIP	100	5%	1/10W
1.0011		V-29DRC420LS)	2211	<b>U</b> /U	_ Y Y	R5124	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	(MEL ENOLI I N	* LUDINOTZULUJ				R5126	1-216-809-11	METAL CHIP	100	5%	1/10W
R5078	1-218-684-11	METAL CHIP	470	በ 5በ%	1/10W	R5120	1-215-890-11	METAL OXIDE	470	5% 5%	1/10W
13070		V-29DRC420LS)	4/0	0.00%	1/1044	NUIZI	(ALL EXCEPT K		4/0	J 70	ZVV
D5070	1-218-720-11	WETAL CHIP	15V	U EU0/	1/10W		(ALL EAGERT N	v-001 10420)			
R5079			15K			DE107	1 215 002 11	METAL OVIDE	11/	<b>5</b> 0/	2///
R5080	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5127	1-215-892-11	METAL OXIDE	1K	5%	2W
						DE400	(KV-30HS420 O	•	2 01/	E0/	4/4014/
						R5128	1-216-828-11	METAL CHIP	3.9K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R5129	1-216-809-11	METAL CHIP	100	5%	1/10W	R5151	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5130	1-216-797-11	METAL CHIP	10	5%	1/10W	R5153	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5131	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R5154	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EXCEPT K	V-30HS420)				R5158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5131	1-218-710-11	METAL CHIP	5.6K	0.5%	1/10W	R5160	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KV-30HS420 O	NLY)									
						R5163	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R5132	1-215-895-11	METAL OXIDE	3.3K	5%	2W	R5164	1-216-845-11	METAL CHIP	100K	5%	1/10W
	(KV-30HS420 O	NLY)				R5165	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5132	1-215-917-11	METAL OXIDE	1K	5%	3W	R5170	1-215-896-00	METAL OXIDE	4.7K		2W
	(KV-32HS420, 3	4HS420, 36HS420, 29DF	RC420LS ON	ILY)			(KV-30HS420 OI	NLY)			
R5132	1-215-918-00	METAL OXIDE	1.5K		3W						
	(KV-27HS420, 2	9DRC420LN ONLY)				R5170	1-215-917-11	METAL OXIDE	1K	5%	3W
		,					(KV-32HS420, 34	4HS420, 36HS420, 29DF	C420LS ONI	Y)	
R5133	1-215-895-11	METAL OXIDE	3.3K	5%	2W	R5170	1-215-918-00	METAL OXIDE	1.5K	,	3W
	(KV-30HS420 O	NLY)					(KV-27HS420, 2	9DRC420LN ONLY)			
R5133	1-215-917-11	METAL OXIDE	1K	5%	3W	R5171	1-215-896-00	METAL OXIDE	4.7K		2W
		4HS420, 36HS420, 29DF			•		(KV-30HS420 OI				
R5133	1-215-918-00	METAL OXIDE	1.5K	,	3W		(*** **********************************	,			
110100		9DRC420LN ONLY)	1.010			R5171	1-215-917-11	METAL OXIDE	1K	5%	3W
	(117 27110 120, 2	05110120211 01121 )				110171		4HS420, 36HS420, 29DF			011
R5135	1-215-895-11	METAL OXIDE	3.3K	5%	2W	R5171	1-215-918-00	METAL OXIDE	1.5K	/	3W
110100	(KV-30HS420 O		0.010	070	211	10171		9DRC420LN ONLY)	1.010		011
R5135	1-215-917-11	METAL OXIDE	1K	5%	3W	R5172	1-260-288-11	CARBON	0.47	5%	1/2W
110100		4HS420, 36HS420, 29DF			344	NOTE	1-200-200-11	OARDON	0.77	J /0	1/2 V V
R5135	1-215-918-00	METAL OXIDE	1.5K	VLI)	3W	R5173	1-260-288-11	CARBON	0.47	5%	1/2W
K3133		9DRC420LN ONLY)	1.510		344	R5176	1-216-833-11	METAL CHIP	10K	5% 5%	1/2VV 1/10W
	(NV-21113420, 2	9DRG420LIN OINLT)				R5501	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R5136	1-215-895-11	METAL OXIDE	3.3K	5%	2W	K3301			IUN	0.5%	1/1000
K3130			J.JN	3%	ZVV	R5501	(KV-30HS420 OI 1-218-730-11	METAL CHIP	2017	0.500/	1/10\\\
DE400	(KV-30HS420 O	'	41/	<b>F</b> 0/	214/	Kooui			39K	0.50%	1/10W
R5136	1-215-917-11	METAL OXIDE	1K	5%	3W		(ALL EXCEPT K	V-30FI342U)			
DE400	•	4HS420, 36HS420, 29DF		NLY)	2)//	DEEOO	4 040 004 44	CHORT CHIR			
R5136	1-215-918-00	METAL OXIDE	1.5K		3W	R5502	1-216-864-11	SHORT CHIP	4017	<b>F</b> 0/	4/4014/
	(KV-27HS420, 2	9DRC420LN ONLY)				R5503	1-216-833-11	METAL CHIP	10K	5%	1/10W
D=10=		METAL OLUB	0.017	=0/	4/40144	R5505	1-218-750-11	METAL CHIP	270K		1/10W
R5137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5138	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5139	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R5141	1-215-890-11	METAL OXIDE	470	5%	2W	R5508	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5142	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5510	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R5512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5143	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5144	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5518	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
R5145	1-215-880-00	METAL OXIDE	10	5%	2W						
R5146	1-249-437-11	CARBON	47K	5%	1/4W	R5519	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5147	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R5520	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(ALL EXCEPT K	V-30HS420)				R5521	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5522	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5147	1-218-710-11	METAL CHIP	5.6K	0.5%	1/10W	R5523	1-218-744-11	METAL CHIP	150K		1/10W
	(KV-30HS420 O										
		,					4 040 000 44	METAL OLUB			4/4014/
R5148	1-215-865-11	METAL OXIDE	220	5%	1W	R5524	1-216-839-11	METAL CHIP	33K	5%	1/10W



BR5562   1-2/6-835-11   METAL CHIP   10K   5% 110W   10K	REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
PRS529   1-218-R33-11   METAL CHIP   10K   5% 1/10W   R556   1-248-877-11   CARBON   0.47   5% 1/40W   R5560   1-218-R32-11   METAL CHIP   4.7K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   4.7K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   4.7K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   10K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   1K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   1K   5% 1/10W   R5560   1-218-R32-11   METAL CHIP   1K   5% 1/10W   R5570   1-218-R32-11   METAL CHIP   47K   0.50% 1/10W   R5580   1-218-R32-11   METAL CHIP   47K   0.50% 1/10W   R5580   1-218-R32-11   METAL CHIP   47K   0.50% 1/10W   R5580   1-218-R32-11   METAL CHIP   1K   0.50% 1/10W   R5581   1-218-R32-11   METAL CHIP   1K   5% 1/10W   R5581   1-218-R32-11   METAL CHIP   1K   0.50% 1/10W   R5581   1-218-R32-11   METAL CHIP   1K   5% 1/10W   R5581   1-218-R32-11   METAL CHIP   1K   0.50% 1/10W   R5581   1-218-R32-11   METAL CHIP   1K   0.50% 1/10W   R5581   1-218-R32-	R5526	1-216-853-11	METAL CHIP	470K	5%	1/10W	R5562	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
R8530   1-218-702-11   METAL CHIP   2.7K   5%   1/10W   R8567   1-218-690-11   METAL CHIP   100   5%   1/10W   R8567   1-216-690-11   METAL CHIP   100   5%   1/10W   R8568   1-216-820-11   METAL CHIP   100   5%   1/10W   R8568   1-216-820-11   METAL CHIP   10K   5%   1/10W   R8569   1-216-820-11   METAL CHIP   10K   5%   1/10W   R8560   1-216-820-11   METAL CHIP   10K   0.50%   1/10W   R8560   1-216-820-	R5527	1-216-833-11	METAL CHIP	10K	5%	1/10W		(ALL EXCEPT K	V-29DRC420LS)			
R5502   1-216-829-11   METAL CHIP	R5528	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5565	1-249-377-11	CARBON	0.47	5%	1/4W
R5532   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5568   1-216-823-11   METAL CHIP   47K   5%   1/10W   R5573   1-216-823-11   METAL CHIP   1K   5%   1/10W   R5574   1-216-823-11   METAL CHIP   1K   5%   1/10W   R5575   1-249-395-11   METAL CHIP   1K   5%   1/10W   R5574   1-216-823-11   METAL CHIP   1K   5%   1/10W   R5584   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5584   1-216-823-11   METAL CHIP   1K   5%   1/10W   R5585   1-216-823-11   METAL CHIP   1K   0.50	R5529	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W	R5566	1-249-401-11	CARBON	47	5%	1/4W
R5533   1-216-842-H1   METAL CHIP   4.7K   5%   1/10W   R5570   1-216-821-H1   METAL CHIP   10K   5%   1/10W   R5571   1-216-823-H1   METAL CHIP   4.7K   5%   1/10W   R5572   1-216-823-H1   METAL CHIP   10K   5%   1/10W   R5573   1-216-833-H1   METAL CHIP   10K   5%   1/10W   R5573   1-216-833-H1   METAL CHIP   20K   5%   1/10W   R5574   1-216-833-H1   METAL CHIP   20K   5%   1/10W   R5579   1-216-833-H1   METAL CHIP   37K   0.50%   1/10W   R5584   1-216-849-H1   METAL CHIP   20K   5%   1/10W   R5584   1-216-837-H1   METAL CHIP   20K   5%   1/10W   R5584   1-216-837-H1   METAL CHIP   10K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   47K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   47K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   20K   5%   1/10W   R5584   1-216-837-H1   METAL CHIP   20K   5%   1/10W   R5584   1-216-837-H1   METAL CHIP   10K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   10K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   10K   0.50%   1/10W   R5584   1-216-837-H1   METAL CHIP   10K   5%   1/10W   R5584   1-216-837-H1   METAL CHIP   4.7K   5%   1/10W   R5585   1-216-837-H1   METAL CHIP   4.7K   5.5%   1/10W   R5585   1-216-837-H1   M	R5530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5567	1-216-809-11	METAL CHIP	100	5%	1/10W
R5538   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R5570   1-216-833-11   METAL CHIP   1K 5% 1/10W   R5571   1-216-831-11   METAL CHIP   1K 5% 1/10W   R5571   1-216-831-11   METAL CHIP   1K 5% 1/10W   R5573   1-216-831-11   METAL CHIP   1K 5% 1/10W   R5573   1-216-831-11   METAL CHIP   1K 5% 1/10W   R5539   1-216-834-11   METAL CHIP   22K 5% 1/10W   R5578   1-216-730-11   METAL CHIP   39K 0.50% 1/10W   R5539   1-216-834-11   METAL CHIP   22K 5% 1/10W   R5579   1-218-732-11   METAL CHIP   39K 0.50% 1/10W   R5540   1-216-837-11   METAL CHIP   22K 5% 1/10W   R5540   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5541   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5542   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5543   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5544   1-218-732-11   METAL CHIP   10K 0.50% 1/10W   R5546   1-218-732-11   METAL CHIP   10K 0.50% 1/10W   R5546   1-218-832-11   METAL CHIP   10K 0.50% 1/10W   R5546   1-218-832-11   METAL CHIP   10K 0.50% 1/10W   R5547   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5548   1-216-837-11   METAL CHIP   10K 0.50% 1/10W   R5549   1-218-832-11   METAL CHIP   10K 0.50% 1/10W   R5540   1-218-832-11   METAL CHIP   10K 0.50% 1/10W   R5550   1-218-832-11   METAL CHIP   47K 0.50% 1/10W   R5551   1-218-832-11   METAL CHIP   47K 0.50% 1/10W   R5550   1-218-832-11   METAL CHIP   47K 0.50% 1/10W   R5551   1-218-732-11   METAL CHIP   47K 0.50% 1/10W   R5550   1-218-822-11   METAL CHIP   47K 0.50% 1/10W   R5551   1-218-732-11   METAL CHIP   47K 0.50% 1/10W   R5550   1-218-822-11	R5532	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5568	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5538   1-218-829-11   METAL CHIP   47K   576   1/10W   R5572   1-216-831-11   METAL CHIP   10K   576   1/10W   R5573   1-218-831-11   METAL CHIP   10K   576   1/10W   R5573   1-218-831-11   METAL CHIP   22K   576   1/10W   R5576   1-248-931-11   METAL CHIP   39K   0.50%   1/10W   R5579   1-218-730-11   METAL CHIP   39K   0.50%   1/10W   R5540   1-218-849-11   METAL CHIP   22K   5%   1/10W   R5580   1-218-730-11   METAL CHIP   10K   0.50%   1/10W   R5541   1-218-849-11   METAL CHIP   22K   5%   1/10W   R5580   1-218-730-11   METAL CHIP   22K   5%   1/10W   R5580   1-218-730-11   METAL CHIP   22K   5%   1/10W   R5581   1-218-730-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-218-730-11   METAL CHIP   1/10K   5%   1/10W   R5581   1-218-730-11   METAL CHIP   1/10K   5%   1/10W   R5581   1-218-730-11   METAL CHIP   1/10K   5%   1/10W   R5581   1-218-802-11   METAL CHIP   1/10K   5%   1/10W   R5591   1-218-802-11   METAL CHIP   1/10K   5%   1	R5533	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R5569	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5587   1-218-732-11   METAL CHIP   27K   0.50% 1/10W   R5572   1-216-833-11   METAL CHIP   10K   5% 1/10W   R5583   1-216-839-11   METAL CHIP   22K   5% 1/10W   R5576   1-249-395-11   CARBON   15   5% 1/4W   R5580   1-216-849-11   METAL CHIP   22K   5% 1/10W   R5576   1-218-730-11   METAL CHIP   47K   0.50% 1/10W   R5581   1-218-730-11   METAL CHIP   47K   0.50% 1/10W   R5581   1-218-730-11   METAL CHIP   22K   5% 1/10W   R5580   1-218-730-11   METAL CHIP   10K   0.50% 1/10W   R5581   1-218-849-11   METAL CHIP   22K   5% 1/10W   R5580   1-218-730-11   METAL CHIP   22K   5% 1/10W   R5580   1-218-730-11   METAL CHIP   22K   5% 1/10W   R5581   1-218-840-11   METAL CHIP   47K   0.50% 1/10W   R5581   1-218-830-11   METAL CHIP   10K   5% 1/10W   R5581   1-218-830-11   METAL CHIP   47K   5% 1/10W   R5591   1-218-830-11   METAL CHIP   10K   5% 1/10W   R5591   1-218-830-11   METAL CHIP   47K   5% 1/10W   R5591	R5535	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5538   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5576   1-249-395-11   CARBON   15   5%   1/10W   R5539   1-216-849-11   METAL CHIP   22K   5%   1/10W   R5578   1-216-730-11   METAL CHIP   39K   0.50%   1/10W   R5541   1-216-849-11   METAL CHIP   22K   5%   1/10W   R5579   1-216-732-11   METAL CHIP   47K   0.50%   1/10W   R5542   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-216-837-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-706-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-706-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-837-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-837-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-837-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-830-10   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-830-10   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-830-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-830-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-216-830-11   METAL CHIP   1 K   0.50%   1/10W   R5591   1-216-830-11   METAL CHIP   1 K   0.50%   1/10W   R5591   1-216-830-11   METAL CHIP   1 K   0.50%   1/10W   R5591   1-216-830-11   METAL CHIP   1 M   5%   1/10	R5536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5571	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8589 1-218-849-11 METAL CHIP 220K 5% 1/10W R5578 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5540 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5591 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-732-11 METAL CHIP 10K 0.50% 1/10W R5590 1-218-732-11 METAL CHIP 10K 0.50% 1/10W R5590 1-218-732-11 METAL CHIP 22K 5% 1/10W R5590 1-218-732-11 METAL CHIP 22K 5% 1/10W R5590 1-218-732-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-637-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-630-11 METAL CHIP 10K 0.50% 1/10W R5590 1-218-630-11 METAL CHIP 47K 0.50% 1/10W R5590 1-218-630-11 METAL CHIP 10K 0.50% 1/10W R5590 1-218-630-11 METAL CHIP 10K 5% 1/10W R5590 1-218-630-11 METAL CHIP 10K 5% 1/10W R5590 1-218-630-11 METAL CHIP 10K 0.50% 1/10W R5590 1-218-630-11 METAL CHIP 10K 0	R5537	1-218-732-11	METAL CHIP	47K	0.50%	1/10W	R5572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5540   1-214-800-11   METAL CHIP   220K   5%   1/10W   R5590   1-218-732-11   METAL CHIP   10K   0.50%   1/10W   R5580   1-218-732-11   METAL CHIP   10K   0.50%   1/10W   R5580   1-218-732-11   METAL CHIP   10K   0.50%   1/10W   R5580   1-218-837-11   METAL CHIP   10K   0.50%   1/10W   R5580   1-218-837-11   METAL CHIP   10K   0.50%   1/10W   R5580   1-218-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-218-837-11   METAL CHIP   22K   5%   1/10W   R5581   1-218-837-11   METAL CHIP   4.7K   0.50%   1/10W   R5581   1-218-837-11   METAL CHIP   4.7K   0.50%   1/10W   R5581   1-218-837-11   METAL CHIP   10K   0.50%   1/10W   R5581   1-218-831-11   METAL CHIP   10K   0.50%   1/10W   R5581   1-218-833-11   METAL CHIP   10K   0.50%   1/10W   R5594   1-218-831-11   METAL CHIP   10K   0.50%   1/10W   R5594   1-218-82-11   METAL CHIP   10K   0.50%   1/10W   R5595   1-218-82-11   METAL CHIP   27K   0.50%   1/10W   R6595   1-218-82-11   METAL CHIP   2	R5538	1-216-837-11	METAL CHIP	22K	5%	1/10W	R5576	1-249-395-11	CARBON	15	5%	1/4W
R5541   1-216-849-11   METAL CHIP   22K   5%   1/10W   R5590   1-218-716-11   METAL CHIP   22K   5%   1/10W   R5591   1-216-821-11   METAL CHIP   10K   0.50%   1/10W   R5540   1-216-821-11   METAL CHIP   10K   0.50%   1/10W   R5540   1-216-821-11   METAL CHIP   10K   0.50%   1/10W   R5541   1-216-821-11   METAL CHIP   10K   0.50%   1/10W   R5592   1-216-821-11   METAL CHIP   47K   0.50%   1/10W   R5592   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5593   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5593   1-216-821-11   METAL CHIP   1K   0.50%   1/10W   R5594   1-216-821-11   METAL CHIP   1M   5%   1/10W   R5595   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-216-829-11   METAL CHIP   10K   0.50%   1/10W   R5555   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-266-211   METAL CHIP   10K   5.5%   1/10W   R5555   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-266-2911   METAL CHIP   4.7K   5%   1/10W   R6505   1-216-829-11   METAL CHIP	R5539	1-216-849-11	METAL CHIP	220K	5%	1/10W	R5578	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
R5542   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5544   1-218-716-11   METAL CHIP   10K   0.50%   1/10W   R5550   1-218-732-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-218-708-11   METAL CHIP   4.7K   0.50%   1/10W   R5581   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5593   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5594   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5594   1-218-708-11   METAL CHIP   1M   5%   1/10W   R5594   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R5594   1-218-708-11   METAL CHIP   1M   5%   1/10W   R5594   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R5595   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R6595   1-218-708-11   METAL C	R5540	1-214-800-11	METAL	2.2	1%	1/2W	R5579	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5542   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5580   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5544   1-218-716-11   METAL CHIP   10K   0.50%   1/10W   R5550   1-218-732-11   METAL CHIP   47K   0.50%   1/10W   R5581   1-218-708-11   METAL CHIP   4.7K   0.50%   1/10W   R5581   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5593   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5594   1-218-708-11   METAL CHIP   1K   0.50%   1/10W   R5594   1-218-708-11   METAL CHIP   1M   5%   1/10W   R5594   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R5594   1-218-708-11   METAL CHIP   1M   5%   1/10W   R5594   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R5595   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R6595   1-218-708-11   METAL C			METAL CHIP									
R5544   1-218-716-11   METAL CHIP   10K   0.50% 1/10W   R5581   1-218-708-11   METAL CHIP   4.7K   0.50% 1/10W   R5581   1-218-708-11   METAL CHIP   1K   5.5% 1/10W   R5582   1-216-832-11   METAL CHIP   1K   0.50% 1/10W   R5583   1-218-808-11   METAL CHIP   1K   0.50% 1/10W   R5583   1-218-808-11   METAL CHIP   1K   0.50% 1/10W   R5584   1-216-833-10   METAL CHIP   1K   0.50% 1/10W   R5584   1-216-833-11   METAL CHIP   1K   0.50% 1/10W   R5594   1-216-833-11   METAL CHIP   10K   5% 1/10W   R5594   1-216-833-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-832-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-831-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   10W   0.50% 1/10W   R5595   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-703-11   METAL CHIP   10W   0.50% 1/10W   R5595   1-216-829-11   METAL CHIP   22K   0.50% 1/10W   R6501   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   1K   0.50% 1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-249-393-11   CARBON   10   5% 1/4W   R6505   1-218-708-11   METAL CHIP   1K   0.50% 1/10W   R6501   1-249-393-11   CARBON   10   5% 1/4W   R6505   1-248-682-11   METAL CHIP   1K   0.50% 1/10W   R6501   1-249-393-11   CARBON   3.3   5% 1/2W   R6501   1-248-478-31   METAL CHIP   4.7K   5% 1/10W   R6501   1-249-393-11   CARBON   3.3   5% 1/2W   R6506   1-2		1-216-837-11	METAL CHIP					(ALL EXCEPT K				
R5544   1-218-716-11   METAL CHIP   10K   0.50% 1/10W   R5581   1-218-708-11   METAL CHIP   4.7K   0.50% 1/10W   R5581   1-218-708-11   METAL CHIP   1K   5.5% 1/10W   R5582   1-216-832-11   METAL CHIP   1K   0.50% 1/10W   R5583   1-218-808-11   METAL CHIP   1K   0.50% 1/10W   R5583   1-218-808-11   METAL CHIP   1K   0.50% 1/10W   R5584   1-216-833-10   METAL CHIP   1K   0.50% 1/10W   R5584   1-216-833-11   METAL CHIP   1K   0.50% 1/10W   R5594   1-216-833-11   METAL CHIP   10K   5% 1/10W   R5594   1-216-833-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-832-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-831-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-821-11   METAL CHIP   10W   0.50% 1/10W   R5595   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-703-11   METAL CHIP   10W   0.50% 1/10W   R5595   1-216-829-11   METAL CHIP   22K   0.50% 1/10W   R6501   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   4.7K   5% 1/10W   R6505   1-218-682-11   METAL CHIP   1K   0.50% 1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-249-393-11   CARBON   10   5% 1/4W   R6505   1-218-708-11   METAL CHIP   1K   0.50% 1/10W   R6501   1-249-393-11   CARBON   10   5% 1/4W   R6505   1-248-682-11   METAL CHIP   1K   0.50% 1/10W   R6501   1-249-393-11   CARBON   3.3   5% 1/2W   R6501   1-248-478-31   METAL CHIP   4.7K   5% 1/10W   R6501   1-249-393-11   CARBON   3.3   5% 1/2W   R6506   1-2	R5543	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5545   1-218-732-11   METAL CHIP   47K   0.50% 1/10W   R5581   1-218-708-11   METAL CHIP   1K   5% 1/10W   R5582   1-216-821-11   METAL CHIP   1K   5% 1/10W   R5588   1-216-335-00   METAL CHIP   1K   5% 1/10W   R5588   1-216-335-00   METAL CHIP   1K   5% 1/10W   R5588   1-216-335-00   METAL CHIP   1K   0.50% 1/10W   R5581   1-216-337-11   METAL CHIP   1K   0.50% 1/10W   R5593   1-218-692-11   METAL CHIP   1K   0.50% 1/10W   R5593   1-218-692-11   METAL CHIP   1K   0.50% 1/10W   R5594   1-216-331-11   METAL CHIP   1K   0.50% 1/10W   R5597   1-218-750-11   METAL CHIP   1M   5% 1/10W   R5597   1-218-750-11   METAL CHIP   1M   5% 1/10W   R5598   1-216-831-11   METAL CHIP   1M   5% 1/10W   R5598   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5591   1-216-821-11   METAL CHIP   1M   5% 1/10W   R5591   1-218-692-11   METAL CHIP   1M   5% 1/10W   R5591   1-218-692-11   METAL CHIP   1M   5% 1/10W   R5591   1-218-692-11   METAL CHIP   4.7K   5% 1/10W   R5591   1-218-740-11   METAL CHIP   100K   0.50% 1/10W   R5552   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-740-11   METAL CHIP   56   0.50% 1/10W   R5553   1-218-724-11   METAL CHIP   22K   0.50% 1/10W   R6501   1-218-692-11   METAL CHIP   56   0.50% 1/10W   R6501   1-218-692-11   METAL CHIP   15K   5% 1/10W   R6501   1-218-780-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-692-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-780-11   METAL CHIP   4.7K   5% 1/10W   R6511		1-218-716-11						(KV-30HS420 O				
R5546   1-216-864-11   SHORT CHIP   1K   5% 1/10W   R5588   1-216-353-00   METAL CHIP   1K   5% 1/10W   R5588   1-216-353-00   METAL OXIDE   2.2   5% 1W   METAL CHIP   1K   5% 1/10W   R5593   1-216-892-11   METAL CHIP   1K   0.50% 1/10W   R5594   1-216-833-11   METAL CHIP   10K   5% 1/10W   R5594   1-216-833-11   METAL CHIP   270K   0.50% 1/10W   R5594   1-216-831-11   METAL CHIP   270K   0.50% 1/10W   R5594   1-216-857-11   METAL CHIP   270K   0.50% 1/10W   R5594   1-216-857-11   METAL CHIP   270K   0.50% 1/10W   R5594   1-216-857-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-857-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-857-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-892-11   METAL CHIP   1M   5% 1/10W   R5594   1-216-829-11   METAL CHIP   1M   5% 1/10W   R5595   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6501   1-218-662-11   METAL CHIP   56   0.50% 1/10W   R5555   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6503   1-218-663-11   METAL CHIP   56   0.50% 1/10W   R5555   1-216-829-11   METAL CHIP   4.7K   5% 1/10W   R6503   1-218-689-11   METAL CHIP   5% 1/10W   R6505   1-218-689-11   METAL CHIP   4.7K   5.5% 1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5.5% 1/10W   R6501   1-249-393-11   CARBON   10   5.5% 1/10W   R6			METAL CHIP				R5581	,		4.7K	0.50%	1/10W
R5547   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5588   1-216-353-00   METAL OXIDE   2.2   5%   1W		1-216-864-11										
R5547   1-216-837-11   METAL CHIP   22K   5%   1/10W   R5594   1-216-833-11   METAL CHIP   10K   5.5%   1/10W   R5597   1-218-750-11   METAL CHIP   270K   0.50%   1/10W   R5598   1-216-821-11   METAL CHIP   47K   5%   1/10W   R5597   1-218-750-11   METAL CHIP   1M   5%   1/10W   R5598   1-216-821-11   METAL CHIP   1M   5%   1/10W   R5598   1-218-892-11   METAL CHIP   10K   0.50%   1/10W   R5599   1-218-892-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-802-11   METAL CHIP   100K   0.50%   1/10W   R5551   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-802-11   METAL CHIP   56   0.50%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-802-11   METAL CHIP   5%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-802-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-802-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-802-11   METAL CHIP   1K   0.50%   1/10W   R6505   1-218-802-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-802-11   METAL				1K	5%	1/10W		1-216-353-00				
R5547   1-216-837-11   METAL CHIP (ALL EXCEPT KV-30HS420)												
R5548   1-216-821-11   METAL CHIP   1K   5%   1/10W   R5603   1-216-857-11   METAL CHIP   10W   5%   1/10W   R5551   1-218-841-11   METAL CHIP   4.7K   5%   1/10W   R5511   1-218-740-11   METAL CHIP   10W   0.50%   1/10W   R5552   1-218-829-11   METAL CHIP   4.7K   5%   1/10W   R5551   1-218-829-11   METAL CHIP   4.7K   5%   1/10W   R5552   1-218-829-11   METAL CHIP   4.7K   5%   1/10W   R5552   1-218-829-11   METAL CHIP   4.7K   5%   1/10W   R5553   1-218-732-11   METAL CHIP   4.7K   5%   1/10W   R5553   1-218-732-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-682-11   METAL CHIP   56   0.50%   1/10W   R5553   1-218-732-11   METAL CHIP   4.7K   5%   1/10W   R6503   1-218-682-11   METAL CHIP   56   0.50%   1/10W   R6505   1-218-682-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-682-11   METAL CHIP   10W   0.50%   1/10W   R6505   1-218-682-11   METAL CHIP   10W   0.50%   1/10W   R6505   1-218-682-11   METAL CHIP   4.7K   5%   1/10W   R6506   1-218-682-11   METAL CHIP   4.7K   5%   1/10W   R6507   1-218-682-11   METAL CHIP   4.7K   5%   1/10W   R6508   1-249-393-11   CARBON   10   5%   1/4W   R6505   1-218-724-11   METAL CHIP   15K   0.50%   1/10W   R6501   1-249-393-11   CARBON   10   5%   1/4W   R6501   1-249-393-11   CARBON   3.3   5%   1/2W   R6501   1-248-478-31   METAL CHIP   4.7K   5%							R5593	1-218-692-11	METAL CHIP			
R5548	R5547			22K	5%	1/10W	R5594			10K	5%	1/10W
R5548		•	•					,	•			
R5548	R5548			1K	5%	1/10W	R5597		METAL CHIP			
R5549   1-218-692-11   METAL CHIP   1K   0.50%   1/10W   R5712   1-218-740-11   METAL CHIP   100K   0.50%   1/10W   R5551   1-218-682-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-682-11   METAL CHIP   56   0.50%   1/10W   R5552   1-216-829-11   METAL CHIP   2K   0.50%   1/10W   R6502   1-260-131-11   CARBON   470K   5%   1/10W   R5553   1-218-732-11   METAL CHIP   2K   0.50%   1/10W   R6503   1-218-868-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-868-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-868-11   METAL CHIP   100K   0.50%   1/10W   R6505   1-218-868-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-868-11   METAL CHIP   100K   0.50%   1/10W   R6505   1-218-868-11   METAL CHIP   100K   0.50%   1/10W   R6505   1-218-868-11   METAL CHIP   100K   0.50%   1/10W   R6506   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R6508   1-249-393-11   CARBON   10   5%   1/10W   R6505   1-218-869-11   METAL CHIP   4.7K   5%   1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-249-393-11   CARBON   10   5%   1/4W   R6511   1-260-298-51   CARBON   3.3   5%   1/2W   R6510   1-248-378-31   METAL   4.70K   1/2W   R6511   1-248-477-31   METAL   4.70K   1/2W   R6511   1-248-477-31   METAL   4.70K   1/2W   R6515   1-248-207-11   WIREWOUND   3.3   5%   1/2W   R6561   1-248-207-11   WIREWOUND   3.0   5.00%   1/2W   R6561   1-248-207-11   WIREWOUND   3.0   5.00%   1/2W   R6561   1-248-207-11		•	•				R5603	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5549   1-218-692-11   METAL CHIP   1K   0.50%   1/10W   R5712   1-218-740-11   METAL CHIP   100K   0.50%   1/10W   R5551   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-662-11   METAL CHIP   56   0.50%   1/10W   R5552   1-216-829-11   METAL CHIP   22K   0.50%   1/10W   R6502   1-260-131-11   CARBON   470K   5%   1/10W   R6505   1-218-668-11   METAL CHIP   100   0.50%   1/10W   R6505   1-218-668-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-692-11   METAL CHIP   4.7K   5%   1/10W   R6506   1-218-692-11   METAL CHIP   4.7K   5%   1/10W   R6509   1-218-692-11   METAL CHIP   4.7K   5%   1/10W   R6505   1-218-692-11   METAL CHIP   4.7K   5%   1/10W   R6509   1-218-692-11   METAL CHIP   4.7K   5%   1/10W   R6510   1-249-393-11   CARBON   10   5%   1/4W   R6510   1-249-393-11   CARBON   3.3   5%   1/2W   R6510   1-248-478-31   METAL   430K   1%   1/4W   R6510   1-248-477-31   METAL   430K   1%   1/4W   R6510   1-248-207-11   METAL   430	R5548			47K	5%	1/10W						
R5549         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R5712         1-218-740-11         METAL CHIP         10K         0.50%         1/10W           R5551         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6501         1-218-662-11         METAL CHIP         56         0.50%         1/10W           R5552         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6502         1-260-131-11         CARBON         470K         5%         1/2W           R5553         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6503         1-216-835-11         METAL CHIP         15K         5%         1/10W           R5555         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6507         1-216-835-11         METAL CHIP         4.7K         5%         1/10W           R5556         1-218-708-11         METAL CHIP         4.7K         0.50%         1/10W         R6508         1-249-393-11         CARBON         10         5%         1/10W           R5557         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R6509		(ALL EXCEPT K	(V-30HS420)				R5604	1-216-857-11		1M		
R5551   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6501   1-218-662-11   METAL CHIP   56   0.50%   1/10W   R5552   1-216-829-11   METAL CHIP   22K   0.50%   1/10W   R6502   1-260-131-11   CARBON   470K   5%   1/2W   1/2W   R5553   1-218-724-11   METAL CHIP   27K   0.50%   1/10W   R6503   1-216-835-11   METAL CHIP   15K   5%   1/10W   R6505   1-218-682-11   METAL CHIP   100   0.50%   1/10W   R6505   1-218-682-11   METAL CHIP   100   0.50%   1/10W   R6505   1-218-682-11   METAL CHIP   100   0.50%   1/10W   R6506   1-218-708-11   METAL CHIP   4.7K   5%   1/10W   R6507   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6508   1-249-393-11   CARBON   10   5%   1/4W   R6508   1-249-393-11   CARBON   10   5%   1/10W   R6508   1-218-702-11   METAL CHIP   15K   0.50%   1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6509   1-249-393-11   CARBON   10							R5711	1-218-740-11	METAL CHIP	100K		
R5552         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6502         1-260-131-11         CARBON         470K         5%         1/2W           R5553         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6503         1-218-635-11         METAL CHIP         15K         5%         1/10W           R5554         1-218-732-11         METAL CHIP         47K         0.50%         1/10W         R6505         1-218-668-11         METAL CHIP         100         0.50%         1/10W           R5555         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6507         1-218-668-11         METAL CHIP         4.7K         5%         1/10W           R5556         1-218-708-11         METAL CHIP         4.7K         0.50%         1/10W         R6508         1-249-393-11         CARBON         10         5%         1/4W           R5557         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R6509         1-216-829-11         METAL CHIP         4.7K         5%         1/10W           R5558         1-218-78-02-11         METAL CHIP         1K         0.50%         1/10W         R6510	R5549	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R5712	1-218-740-11	METAL CHIP	100K		
R5553         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6503         1-216-835-11         METAL CHIP         15K         5%         1/10W           R5554         1-218-732-11         METAL CHIP         47K         0.50%         1/10W         R6503         1-218-6835-11         METAL CHIP         15K         5%         1/10W           R5555         1-216-829-11         METAL CHIP         4.7K         5%         1/10W         R6507         1-216-829-11         METAL CHIP         4.7K         5%         1/10W           R5556         1-218-708-11         METAL CHIP         4.7K         0.50%         1/10W         R6508         1-249-393-11         CARBON         10         5%         1/4W           R5557         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R6509         1-216-829-11         METAL CHIP         4.7K         5%         1/10W           R5558         1-218-720-11         METAL CHIP         1K         0.50%         1/10W         R6510         1-249-393-11         CARBON         10         5%         1/4W           R5559         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6511	R5551	1-216-829-11	METAL CHIP	4.7K		1/10W	R6501	1-218-662-11	METAL CHIP	56		
R5554   1-218-732-11	R5552	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6502	1-260-131-11	CARBON	470K	5%	1/2W
R5555   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6507   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6508   1-249-393-11   CARBON   10   5%   1/10W   R6558   1-218-692-11   METAL CHIP   1K   0.50%   1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6558   1-218-692-11   METAL CHIP   1K   0.50%   1/10W   R6509   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   R6559   1-218-720-11   METAL CHIP   15K   0.5%   1/10W   R6510   1-249-393-11   CARBON   10   5%   1/4W   R6511   1-260-298-51   CARBON   3.3   5%   1/2W   R6513   1-245-478-31   METAL CHIP   4.7K   5%   1/4W   R6513   1-245-478-31   METAL CHIP   4.7K   5%   1/4W   R6513   1-245-478-31   METAL CHIP   4.7K   5%   1/4W   R6514   1-245-477-31   METAL CHIP   4.7K   5%   1/4W   R6515   1-260-131-11   CARBON   4.7K   5%   1/2W   R6515   1-260-131-11   CARBON   4.7K   5%   1/2W   R6516   1-244-207-11   WIREWOUND   3.3   5%   10W   R6516   1-244-207-11   WIREWOUND   3.3   5%   10W   R6516   1-248-207-11   METAL CHIP   8.2K   0.50%   1/10W   R6517   1-218-714-11   METAL CHIP   8.2K   0.50%   1/10W   R6518   1-248-207-11   METAL CHIP   8.2K   0.50%   1/10W   R6518   1-24	R5553	1-218-724-11	METAL CHIP	22K	0.50%	1/10W						
R5555 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R5556 1-218-708-11 METAL CHIP 4.7K 0.50% 1/10W R5557 1-218-692-11 METAL CHIP 1K 0.50% 1/10W R5558 1-218-692-11 METAL CHIP 1K 0.50% 1/10W R5559 1-218-720-11 METAL CHIP 15K 0.5% 1/10W R5559 1-218-720-11 METAL CHIP 15K 0.5% 1/10W R5559 1-218-724-11 METAL CHIP 2ZK 0.50% 1/10W R5550 1-216-841-11 METAL CHIP 47K 5% 1/10W R5560 1-216-841-11 METAL CHIP 47K 5% 1/10W R5561 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R557 1-218-714-11 METAL CHIP 8.2K 0.50% 1/10W	R5554	1-218-732-11	METAL CHIP	47K	0.50%	1/10W	R6503	1-216-835-11	METAL CHIP	15K		
R5556         1-218-708-11         METAL CHIP         4.7K         0.50% 1/10W         R6508         1-249-393-11         CARBON         10         5% 1/4W           R5557         1-218-692-11         METAL CHIP         1K         0.50% 1/10W         R6509         1-216-829-11         METAL CHIP         4.7K         5% 1/10W           R5558         1-218-720-11         METAL CHIP         1K         0.50% 1/10W         R6510         1-249-393-11         CARBON         10         5% 1/4W           R5559         1-218-720-11         METAL CHIP         15K         0.5% 1/10W         R6510         1-249-393-11         CARBON         10         5% 1/4W           R5559         1-218-724-11         METAL CHIP         22K         0.50% 1/10W         R6511         1-249-393-11         CARBON         10         5% 1/4W           R5559         1-218-724-11         METAL CHIP         22K         0.50% 1/10W         R6513         1-249-393-11         CARBON         3.3         5% 1/2W           R5560         1-218-724-11         METAL CHIP         22K         0.50% 1/10W         R6514         1-245-477-31         METAL         430K         1% 1/4W           R5561         1-216-841-11         METAL CHIP         47K         5% 1/10W<							R6505	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R5557         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R6509         1-216-829-11         METAL CHIP         4.7K         5%         1/10W           R5558         1-218-692-11         METAL CHIP         1K         0.50%         1/10W         R6509         1-216-829-11         METAL CHIP         4.7K         5%         1/10W           R5559         1-218-720-11         METAL CHIP         15K         0.5%         1/10W         R6510         1-249-393-11         CARBON         10         5%         1/2W           R5559         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6511         1-249-393-11         CARBON         3.3         5%         1/2W           R5559         1-218-724-11         METAL CHIP         22K         0.50%         1/10W         R6513         1-245-478-31         METAL         470K         1%         1/4W           R5560         1-218-742-11         METAL CHIP         47K         5%         1/10W         R6514         1-245-477-31         METAL         430K         1%         1/2W           R5560         1-216-841-11         METAL CHIP         47K         5%         1/10W         R6516         1-244-2	R5555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5558 1-218-692-11 METAL CHIP 1K 0.50% 1/10W R5559 1-218-720-11 METAL CHIP 15K 0.5% 1/10W (KV-30HS420 ONLY) R6511 1-249-393-11 CARBON 10 5% 1/2W R6553 1-245-478-31 METAL 470K 1% 1/4W R6559 1-218-724-11 METAL CHIP 22K 0.50% 1/10W (ALL EXCEPT KV-30HS420) R5560 1-216-841-11 METAL CHIP 47K 5% 1/10W (ALL EXCEPT KV-29DRC420LS) R5561 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R6516 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R6517 1-218-714-11 METAL CHIP 8.2K 0.50% 1/10W	R5556	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6508	1-249-393-11	CARBON	10	5%	1/4W
R5559   1-218-720-11   METAL CHIP   15K   0.5%   1/10W   R6510   1-249-393-11   CARBON   10   5%   1/4W   R6511   1-260-298-51   CARBON   3.3   5%   1/2W   R6513   1-245-478-31   METAL   470K   1%   1/4W   R6559   1-218-724-11   METAL CHIP   22K   0.50%   1/10W   R6514   1-245-477-31   METAL   430K   1%   1/4W   R6515   1-260-131-11   CARBON   470K   5%   1/2W   R6516   1-218-740-11   METAL CHIP   47K   5%   1/10W   R6516   1-244-207-11   WIREWOUND   3.3   5%   10W   R6516   1-218-740-11   METAL CHIP   8.2K   0.50%   1/10W   R6517   1-218-714-11   METAL CHIP   8.2K   0.50%   1/10W   R6518   1-248-207-11   METAL CHIP   8.2K   0.50%   1/10W   1/2W	R5557	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6511   1-260-298-51   CARBON   3.3   5%   1/2W   R6513   1-245-478-31   METAL   470K   1/4W   1/4W   1/4W   1/4W   1/245-478-31   METAL   470K   1/4W   1/4W   1/4W   1/245-478-31   METAL   430K   1/2W   1/2W   1/245-478-31   METAL   430K   1/2W    R5558	1-218-692-11	METAL CHIP	1K	0.50%	1/10W							
R5559 1-218-724-11 METAL CHIP 22K 0.50% 1/10W R6514 1-245-477-31 METAL 470K 1% 1/4W R6514 1-245-477-31 METAL 430K 1% 1/4W R6515 1-260-131-11 CARBON 470K 5% 1/2W R6516 1-218-740-11 METAL CHIP 47K 5% 1/10W R6516 1-244-207-11 WIREWOUND 3.3 5% 10W R5561 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R6517 1-218-714-11 METAL CHIP 8.2K 0.50% 1/10W	R5559	1-218-720-11	METAL CHIP	15K	0.5%	1/10W	R6510	1-249-393-11	CARBON	10	5%	1/4W
R5559       1-218-724-11       METAL CHIP (ALL EXCEPT KV-30HS420)       22K       0.50% 1/10W       R6514       1-245-477-31 METAL       METAL 430K       1/8 1/4W         R5560       1-216-841-11 METAL CHIP (ALL EXCEPT KV-29DRC420LS)       47K       5% 1/10W       1/10W       R6516       1-244-207-11 WIREWOUND       3.3       5% 10W         R5561       1-218-740-11 METAL CHIP       100K       0.50% 1/10W       R6517       1-218-714-11 METAL CHIP       8.2K       0.50% 1/10W		(KV-30HS420 O	NLY)				R6511	1-260-298-51	CARBON	3.3	5%	1/2W
(ALL EXCEPT KV-30HS420)     R6515     1-260-131-11     CARBON     470K     5%     1/2W       R5560     1-216-841-11     METAL CHIP     47K     5%     1/10W       R5561     1-218-740-11     METAL CHIP     47K     5%     1/10W       R5561     1-218-740-11     METAL CHIP     100K     0.50%     1/10W       R6516     1-244-207-11     WIREWOUND     3.3     5%     10W       R6517     1-218-714-11     METAL CHIP     8.2K     0.50%     1/10W							R6513	1-245-478-31	METAL	470K	1%	1/4W
R5560       1-216-841-11       METAL CHIP       47K       5%       1/10W         (ALL EXCEPT KV-29DRC420LS)	R5559	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R6514	1-245-477-31	METAL	430K	1%	1/4W
(ALL EXCEPT KV-29DRC420LS)  R5561 1-218-740-11 METAL CHIP 100K 0.50% 1/10W  R6516 1-244-207-11 WIREWOUND 3.3 5% 10W  R6517 1-218-714-11 METAL CHIP 8.2K 0.50% 1/10W		(ALL EXCEPT K	(V-30HS420)				R6515	1-260-131-11	CARBON	470K	5%	1/2W
R5561 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R6517 1-218-714-11 METAL CHIP 8.2K 0.50% 1/10W	R5560	1-216-841-11	METAL CHIP	47K	5%	1/10W						
		(ALL EXCEPT K	V-29DRC420LS)				⚠ R6516	1-244-207-11	WIREWOUND	3.3	5%	10W
R6518 1-218-719-11 METAL CHIP 13K 0.50% 1/10W	R5561	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R6517	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
							R6518	1-218-719-11	METAL CHIP	13K	0.50%	1/10W



REF. NO	PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
R6519	1-216-864-11	SHORT CHIP					R8020	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6521	1-260-328-11	CARBON	1K	5%	1/2W		R8021	1-218-674-11	METAL CHIP	180	0.50%	1/10W
R6524	1-216-813-11	METAL CHIP	220	5%	1/10W			(KV-32HS420,	34HS420, 36HS420, 29DRC	420LS ONL		
R6525	1-216-813-11	METAL CHIP	220	5%	1/10W		R8021	1-216-864-11	SHORT CHIP		,	
R6526	1-202-933-61	FUSIBLE	0.1	10%	1/2W				29DRC420LN, 30HS420 ON	LY)		
R6527	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R8022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6528	1-216-809-11	METAL CHIP	100	5%	1/10W		R8024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6529	1-249-393-11	CARBON	10	5%	1/4W		R8025	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R8026	1-218-698-11	METAL CHIP	1.8K		1/10W
R6531	1-249-393-11	CARBON	10	5%	1/4W		R8027	1-218-736-11	METAL CHIP	68K		1/10W
R6532	1-216-833-11	METAL CHIP	10K	5%	1/10W		R8028	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R6533	1-216-833-11	METAL CHIP	10K	5%	1/10W		R8029	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
R6535	1-216-833-11	METAL CHIP	10K	5%	1/10W		R8030	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R6536	1-249-417-11	CARBON	1K	5%	1/4W		R8031	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R6537	1-216-833-11	METAL CHIP	10K	5%	1/10W		R8032	1-216-844-11	METAL CHIP	82K	5%	1/10W
R6538	1-216-833-11	METAL CHIP	10K	5%	1/10W		R8033	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6539	1-215-900-11	METAL OXIDE	22K	5%	2W	$\triangle$	R8035	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R6542	1-216-821-11	METAL CHIP	1K	5%	1/10W	$\triangle$	R8036	1-215-415-00	METAL	560	1%	1/4W
R6544	1-216-864-11	SHORT CHIP						(KV-32HS420,	34HS420, 36HS420, 29DRC	420LS ONL	Y)	
R6545	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	<u> </u>	R8036	1-215-419-00	METAL	820	,	1/4W
R6547	1-216-864-11	SHORT CHIP						(KV-2/HS420,	29DRC420LN, 30HS420 ON	LY)		
R6548	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	$\wedge$	R8037	1-215-445-00	METAL	10K	1%	1/4W
R6556	1-243-979-71	METAL OXIDE	0.1	5%	2W		110007		34HS420, 36HS420, 29DRC			1/7**
R6557	1-243-979-71	METAL OXIDE	0.1	5%	2W	$\wedge$	R8037	1-215-447-00	METAL	12K	1)	1/4W
⚠ R6590	1-249-415-11	CARBON	680	5%	1/4W		110007		29DRC420LN, 30HS420 ON			1/7**
Z.3 110000	1 240 410 11	O/IRDOIN	000	370	1/444	$\wedge$	R8038	1-215-445-00	METAL	10K	1%	1/4W
R6593	1-249-405-11	CARBON	100	5%	1/4W		110000		34HS420, 36HS420, 29DRC			1/711
R6595	1-249-377-11	CARBON	0.47	5%	1/4W			(117 02110-120,	341 10420, 301 10420, 23D110	720L0 OI1L	1)	
R6602	1-216-821-11	METAL CHIP	1K	5%	1/10W	$\hat{\Lambda}$	R8038	1-215-447-00	METAL	12K		1/4W
R6605	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		110000		29DRC420LN, 30HS420 ON			1/711
R8001	1-216-809-11	METAL CHIP	100	5%	1/10W	$\wedge$	R8039	1-215-445-00	METAL	10K	1%	1/4W
110001	1-210-009-11	WILLIAL OTHI	100	J /0	1/1000	2:3	1,0009		34HS420, 36HS420, 29DRC			1/4 4 4
R8003	1-216-837-11	METAL CHIP	22K	5%	1/10W	$\wedge$	R8039	1-215-447-00	METAL METAL	420L3 ONL 12K	1)	1/4W
R8004	1-218-708-11	METAL CHIP	4.7K		1/10W	2:3	1,0009		29DRC420LN, 30HS420 ON			1/4 4 4
			4.7K 22K					(KV-27113420,	29DN0420LIN, 301 13420 OIN	LI)		
R8005 R8006	1-216-837-11 1-245-494-31	METAL CHIP METAL	2.2M	5% 2%	1/10W 1/4W	$\wedge$	R8040	1-215-443-00	METAL	8.2K		1/4W
R8007			2.2M	2% 2%		<u> </u>	K0040					1/440
K0001	1-245-494-31	METAL	Z.ZIVI	270	1/4W	<u> </u>	R8040	1-215-445-00	29DRC420LN, 30HS420 ON METAL	10K	1%	1/4W
R8010	1-216-864-11	SHORT CHIP				2:3	110040		34HS420, 36HS420, 29DRC			1/4 4 4
R8011	1-216-849-11	METAL CHIP	220K	5%	1/10W		R8041	1-216-864-11	SHORT CHIP	TZULU UINL	1)	
R8012	1-249-419-11	CARBON	1.5K	5%	1/10VV 1/4W	1	1100+1	1-210-00 <del>4-</del> 11	OHORT OHII			
R8013	1-249-419-11	METAL CHIP	1.5K 10K	5% 5%	1/4VV 1/10W	<u> </u>	R8043	1-215-447-00	METAL	12K	1%	1/4W
R8014	1-218-692-11	METAL CHIP	1K		1/10W	7:3	R8046	1-218-696-11	METAL CHIP	1.5K		1/4VV 1/10W
N0014	1-210-032-11	WIE TAL UNIF	IIV	0.00%	1/1044	1	R8049	1-218-668-11	METAL CHIP	1.5K 100		1/10W
⚠ R8015	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	1	R8050	1-218-656-11	METAL CHIP	33		1/10W
R8016	1-247-843-11	CARBON	3.3K	5%	1/4W	1	R8051	1-202-933-61	FUSIBLE	0.1		1/2W
⚠ R8017	1-218-705-11	METAL CHIP	3.6K		1/10W	1		*** **		***		
⚠ R8019	1-218-719-11	METAL CHIP	13K		1/10W	1						
				2.20,0		1						



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	IES	
R8052	1-218-732-11	METAL CHIP	47K		1/10W	R8101	1-208-834-11	METAL CHIP	150K	0.50%	1/10W
	(KV-29DRC420L	S ONLY)				R8102	1-249-433-11	CARBON	22K	5%	1/4W
R8052	1-218-741-11	METAL CHIP	110K	0.50%	1/10W	R8103	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	(KV-32HS420, 3	4HS420, 36HS420 ONLY	)			R8104	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8052	1-218-745-11	METAL CHIP	160K		1/10W	R8105	1-216-809-11	METAL CHIP	100	5%	1/10W
	(KV-27HS420, 2	9DRC420LN, 30HS420 C	NLY)								
						R8106	1-249-377-11	CARBON	0.47	5%	1/4W
R8053	1-245-478-31	METAL	470K	1%	1/4W	R8108	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8054	1-245-478-31	METAL	470K	1%	1/4W	R8109	1-218-918-00	METAL OXIDE	1.5K		3W
R8056	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W		(KV-30HS420 O	NLY)			
R8057	1-218-719-11	METAL CHIP	13K	0.50%	1/10W	R8109	1-215-922-11	METAL OXIDE	6.8K	5%	3W
R8058	1-249-393-11	CARBON	10	5%	1/4W		(KV-32HS420, 3	4HS420, 36HS420, 29DF	RC420LS ONI	LY)	
R8059	1-216-813-11	METAL CHIP	220	5%	1/10W	R8109	1-216-486-00	METAL OXIDE	8.2K		3W
R8060	1-216-813-11	METAL CHIP	220	5%	1/10W			9DRC420LN ONLY)	0.2.1		• • • • • • • • • • • • • • • • • • • •
R8061	1-249-393-11	CARBON	10	5%	1/4W	R8110	1-208-842-11	METAL CHIP	330K	0.50%	1/10W
R8062	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8111	1-216-486-00	METAL OXIDE	8.2K	0.0070	3W
R8063	1-216-833-11	METAL CHIP	10K	5%	1/10W	110111		9DRC420LN ONLY)	O.Z.K		011
Dooce	1 016 001 11	METAL CLUD	41/	E0/	1/10\\	D0444	1 210 010 00	METAL OVIDE	4 EV		211/
R8066	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W	R8111	1-218-918-00	METAL OXIDE	1.5K		3W
R8069	1-249-425-11	CARBON	4.7K	5%	1/4W	D0444	(KV-30HS420 O	,	0.01/	F0/	214/
R8070	1-243-979-71	METAL OXIDE	0.1	5%	2W	R8111	1-215-922-11	METAL OXIDE	6.8K	5%	3W
R8072	1-249-377-11	CARBON	0.47	5%	1/4W	D0440		4HS420, 36HS420, 29DF		,	4/40/4/
R8076	1-249-409-11	CARBON	220	5%	1/4W	R8112	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8077	1-216-864-11	SHORT CHIP				R8113	1-208-842-11	METAL CHIP	330K	0.50%	1/10W
⚠ R8078	1-218-740-11	METAL CHIP	100K		1/10W	R8114	1-216-486-00	METAL OXIDE	8.2K		3W
R8079	1-249-431-11	CARBON	15K	5%	1/4W		(KV-27HS420, 2	9DRC420LN ONLY)			
R8080	1-249-393-11	CARBON	10	5%	1/4W	R8114	1-218-918-00	METAL OXIDE	1.5K		3W
	(ALL EXCEPT K	V-30HS420)					(KV-30HS420 O	NLY)			
R8080	1-249-401-11	CARBON	47	5%	1/4W	R8114	1-215-922-11	METAL OXIDE	6.8K	5%	3W
	(KV-30HS420 O	NLY)					(KV-32HS420, 3	4HS420, 36HS420, 29DF	RC420LS ONI	LY)	
R8082	1-216-863-11	METAL CHIP	3.3M	5%	1/10W	R8115	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8085	1-219-748-11	METAL	4.7K	5%	1/2W	R8116	1-218-918-00	METAL OXIDE	1.5K		3W
R8086	1-219-749-91	METAL	10K	5%	1/2W		(KV-30HS420 O	NLY)			
R8087	1-216-864-11	SHORT CHIP				R8116	1-215-923-00	METAL OXIDE	10K		3W
R8088	1-216-833-11	METAL CHIP	10K	5%	1/10W	1.0110		9DRC420LN ONLY)	1011		0.1
R8089	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8116	1-216-485-11	METAL OXIDE	5.6K	5%	3W
R8090	1-216-833-11	METAL CHIP	10K	5%	1/10W	110110		4HS420, 36HS420, 29DF			011
R8093	1-208-834-11	METAL CHIP	150K		1/10W	R8117	1-216-845-11	METAL CHIP	100K	5%	1/10W
Doocs.	4 040 001 11	OLIOPE OLUP				D0410	4 040 000 11	METAL CLUS	001/	<b>F</b> 0/	4/40141
R8096	1-216-864-11	SHORT CHIP	40	F0/	4/4614/	R8118	1-216-839-11	METAL CHIP	33K	5%	1/10W
R8097	1-216-797-11	METAL CHIP	10	5%	1/10W	R8119	1-218-918-00	METAL OXIDE	1.5K		3W
R8098	1-249-441-11	CARBON	100K	5%	1/4W	Boute	(KV-30HS420 O	,	4014		0147
	(ALL EXCEPT K	,				R8119	1-215-923-00	METAL OXIDE	10K		3W
R8099	1-249-441-11 (ALL EXCEPT K	CARBON (V-30HS420)	100K	5%	1/4W		(KV-27HS420, 2	9DRC420LN ONLY)			
	(/ILL L/OLI I II	V 00110720j				R8119	1-216-485-11	METAL OXIDE	5.6K	5%	3W
R8100	1-249-441-11	CARBON	100K	5%	1/4W		(KV-32HS420, 3	4HS420, 36HS420, 29DF			
	(ALL EXCEPT K					R8123	1-216-809-11	METAL CHIP	100	5%	1/10W
10/ 07/10/00/		. 420/2200 420/2400 4			1						114



R8124											
	1-216-833-11	METAL CHIP	10K	5%	1/10W		THERMISTOR				
R8125	1-216-797-11	METAL CHIP	10	5%	1/10W	TUEGOO	4 007 700 44	THEDMICTOR			
R8126	1-216-797-11	METAL CHIP	10	5%	1/10W	TH5002	1-807-796-11	THERMISTOR			
R8135	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R8136	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R8137	1-216-821-11	METAL CHIP	1K	5%	1/10W	*	A-1302-938-A	UY BOARD, COM	PLETE		
R8138	1-216-857-11	METAL CHIP	1M	5% 5%	1/10W						
R8144	1-216-849-11	METAL CHIP	220K	5% 5%	1/10W						
R8145	1-216-841-11	METAL CHIP	47K	5%	1/10W		CAPACITOR				
R8146	1-216-821-11	METAL CHIP	1K	5%	1/10W						
K0140	1-210-021-11	WE TAL CHIP	IIX	3%	1/1000	C1501	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R8150	1-216-841-11	METAL CHIP	47K	5%	1/10W	C1502	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R8151	1-216-841-11	METAL CHIP	47K 47K	5% 5%	1/10W	C1503	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R8158	1-216-809-11	METAL CHIP	47K 100	5% 5%	1/10W	C1504	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
		METAL CHIP	15K		1/10W	C1505	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R8159	1-216-835-11			5%							
R8160	1-216-853-11	METAL CHIP	470K	5%	1/10W	C1506	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
D0404	4 040 000 44	METAL OLUD	4017	<b>5</b> 0/	4/40\\\	C1507	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R8161	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1508	1-126-960-11	ELECT	1µF	20%	50V
R8165	1-218-742-11	METAL CHIP	120K		1/10W	C1509	1-126-960-11	ELECT	1µF	20%	50V
R8200	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1510	1-126-960-11	ELECT	1μF	20%	50V
R8202	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R8203	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1511	1-126-960-11	ELECT	1µF	20%	50V
						C1512	1-126-960-11	ELECT	1µF	20%	50V
R8204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C1513	1-126-960-11	ELECT	1µF	20%	50V
R8206	1-216-817-11	METAL CHIP	470	5%	1/10W	C1519	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
						C1520	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
	RELAY					C1521	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
						C1522	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3
∠ RY6501	1-755-395-11	RELAY (AC POWER)				C1523	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
X RY6502	1-755-389-11	RELAY (AC POWER)				C1524	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
						C1525	1-164-156-11	CERAMIC CHIP	0.1µF	1070	25V
	SPARK GAP					0.500		5, 507	40.5	2001	=01/
	<u> </u>					C1526	1-126-964-11	ELECT	10μF	20%	50V
SG8002	1-517-499-21	GAP, SPARK				C1527	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
						C1528	1-126-933-11	ELECT	100μF	20%	16V
						C1529	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
	TRANSFORMER	<u>R</u>				C1530	1-126-964-11	ELECT	10μF	20%	50V
T5001	1-437-669-21	HORIZONTAL OUTPU	JT TRANS	FORMER		C1531	1-126-941-11	ELECT	470µF	20%	25V
	(ALL EXCEPT K	V-30HS420)				C1532	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
T5002	1-435-636-21	TRANSFORMER, HO	RIZONTAL	DRIVE		C1533	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
T6502	1-437-696-31	TRANSFORMER, CO				C1534	1-126-933-11	ELECT	100µF	20%	16V
∑ T8001	1-453-464-11	FBT ASSY, NX-6200//				C1535	1-126-933-11	ELECT	100µF	20%	16V
T8003	1-437-664-11	TRANSFORMER, DY	NAMIC ECO	2115		C1536	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
10003	(ALL EXCEPT K		INAIVIIC FUL	<i>,</i> 00		C1537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
T9004	•	,	NAMIC ECO	פווכ		C1537	1-107-826-11	CERAMIC CHIP	0.1μF 0.1μF	10%	16V
T8004	1-439-991-11	TRANSFORMER, DY	NAIVIIC FUC	203		C1536 C1539			-	1070	25V
	(KV-30HS420 O	NLT)				C1539 C1540	1-164-156-11 1-126-933-11	CERAMIC CHIP ELECT	0.1μF 100μF	20%	25V 16V



REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALUES
C1541	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V		D1518	8-719-914-43	DIODE	DAN202K
C1545	1-126-933-11	ELECT	100μF	20%	16V		D1519	8-719-977-28	DIODE	DTZ10B
C1546	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D1520	8-719-977-28	DIODE	DTZ10B
C1548	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		D1521	8-719-977-28	DIODE	DTZ10B
C1550	1-126-960-11	ELECT	0.1μF	20%	50V		D1522	8-719-977-28	DIODE	DTZ10B
01000	1-120-300-11	LLLOI	ıμı	2070	30 V		DIJZZ	0-713-377-20	DIODL	DIZIOD
C1551	1-126-960-11	ELECT	1μF	20%	50V		D1523	8-719-977-28	DIODE	DTZ10B
C1552	1-126-960-11	ELECT	1μF	20%	50V		D1524	8-719-977-28	DIODE	DTZ10B
C1553	1-126-960-11	ELECT	1µF	20%	50V		D1525	8-719-977-28	DIODE	DTZ10B
C1554	1-126-960-11	ELECT	1μF	20%	50V		D1526	8-719-977-28	DIODE	DTZ10B
C1555	1-126-960-11	ELECT	ι 1μF	20%	50V		D1527	8-719-977-28	DIODE	DTZ10B
C1556	1-126-933-11	ELECT	100µF	20%	16V		D1528	8-719-977-28	DIODE	DTZ10B
C1557	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D1529	8-719-977-28	DIODE	DTZ10B
C1558	1-126-933-11	ELECT	100µF	20%	16V		D1530	8-719-977-28	DIODE	DTZ10B
C1559	1-126-933-11	ELECT	100µF	20%	16V		D1531	8-719-977-28	DIODE	DTZ10B
C1560	1-126-933-11	ELECT	100µF	20%	16V		D1532	8-719-977-28	DIODE	DTZ10B
			•							
C1561	1-126-933-11	ELECT	100µF	20%	16V		D1533	8-719-977-28	DIODE	DTZ10B
C1562	1-126-933-11	ELECT	100µF	20%	16V		D1534	8-719-977-28	DIODE	DTZ10B
C1563	1-126-933-11	ELECT	100µF	20%	16V		D1535	8-719-977-28	DIODE	DTZ10B
	CONNECTOR							<u>IC</u>		
CN1501	1-764-334-11	PIN, CONNECTOR(PO	CB)(V TYPE)	11P			IC1502	8-752-080-04	IC	CXA2069Q
CN1502	1-793-173-11	PIN, PC CONNECTOR	R(PC BOARD	O) 50P			IC1505	8-759-548-56	IC	M52055FP
CN1503	1-793-419-11	CONNECTOR, BOAR	D TO BOARI	O 4P						
	DIODE							<u>JACK</u>		
							J1501	1-573-967-12	BLOCK, (S) TERMINAL	
D1501	8-719-977-28	DIODE	DTZ10B				J1502	1-750-516-21	JACK BLOCK, PIN	2P
D1502	8-719-977-28	DIODE	DTZ10B				J1503	1-750-517-21	JACK BLOCK, PIN	3P
D1503	8-719-977-28	DIODE	DTZ10B				J1504	1-750-517-21	JACK BLOCK, PIN	3P
D1504	8-719-977-28	DIODE	DTZ10B			1	J1505	1-764-143-11	JACK	
D1505	8-719-977-28	DIODE	DTZ10B				14500	4 704 440 44	14.017	
D4500	0.740.077.00	DIODE	DTZ40D				J1506	1-764-143-11	JACK	
D1506	8-719-977-28	DIODE	DTZ10B				J1508	1-815-015-11	JACK BLOCK, PIN	
D1507	8-719-977-28	DIODE	DTZ10B				J1509	1-815-015-11	JACK BLOCK, PIN	
D1508	8-719-977-28	DIODE	DTZ10B							
D1509	8-719-977-28	DIODE	DTZ10B							
D1510	8-719-977-28	DIODE	DTZ10B					COIL		
D1511	8-719-977-28	DIODE	DTZ10B				L1502	1-469-555-21	INDUCTOR	10μΗ
D1512	8-719-977-28	DIODE	DTZ10B				L1503	1-469-555-21	INDUCTOR	10μH
D1513	8-719-977-28	DIODE	DTZ10B			1	L1504	1-469-555-21	INDUCTOR	10μH
D1514	8-719-977-28	DIODE	DTZ10B				L1505	1-469-555-21	INDUCTOR	10μΗ
D1515	8-719-977-28	DIODE	DTZ10B				L1506	1-469-555-21	INDUCTOR	10μΗ
	-									
D1516	8-719-977-28	DIODE	DTZ10B							
D1517	8-719-977-28	DIODE	DTZ10B							
						1				



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
	<b>TRANSISTOR</b>					R1523	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
04504	0.700.404.00	TDANIOIOTOD	000700	4 ODO TV	,	R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1501	8-729-424-02	TRANSISTOR		A-QRS-TX		R1525	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1502	8-729-424-02	TRANSISTOR		A-QRS-TX		R1526	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q1503	8-729-424-02	TRANSISTOR		A-QRS-TX		R1527	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q1504	8-729-424-02	TRANSISTOR		A-QRS-TX							
Q1505	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1530	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1531	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1506	8-729-422-27	TRANSISTOR	2SD601			R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1507	8-729-424-02	TRANSISTOR		A-QRS-TX		R1533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q1508	8-729-422-27	TRANSISTOR	2SD601			R1534	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q1509	8-729-422-27	TRANSISTOR	2SD601								
Q1510	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1536	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q1511	8-729-424-02	TRANSISTOR		A-QRS-TX		R1537	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q1512	8-729-424-02	TRANSISTOR		A-QRS-TX		R1538	1-216-806-11	METAL CHIP	56	5%	1/10W
Q1513	8-729-422-27	TRANSISTOR	2SD601			R1539	1-216-805-11	METAL CHIP	47	5%	1/10W
Q1515	8-729-424-02	TRANSISTOR		A-QRS-TX							
Q1516	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1541	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1518	8-729-422-27	TRANSISTOR	2SD601			R1542	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
Q1519	8-729-424-02	TRANSISTOR		A-QRS-TX		R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1520	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1544	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
Q1521	8-729-422-27	TRANSISTOR	2SD601	A-Q					0.0.1	0,0	.,
Q1522	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX		R1545	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
						R1546	1-216-809-11	METAL CHIP	100	5%	1/10W
Q1523	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1547	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
Q1524	8-729-422-27	TRANSISTOR	2SD601	A-Q		R1548	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
										-,-	
	RESISTOR					R1550	1-216-809-11	METAL CHIP	100	5%	1/10W
D.1504		METAL OLUB	47017	=0/	4/4014/	R1551	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1501	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1502	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1554	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-218-665-11	METAL CHIP	75 		1/10W	R1555	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1504	1-218-665-11	METAL CHIP	75 		1/10W					0,0	.,
R1505	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R1556	1-216-853-11	METAL CHIP	470K	5%	1/10W
D4500	4 040 050 44	METAL OLUB	4701/	<b>5</b> 0/	4/40/4/	R1557	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1506	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1507	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1559	1-218-665-11	METAL CHIP	75		1/10W
R1508	1-218-665-11	METAL CHIP	75 		1/10W	R1560	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1509	1-218-665-11	METAL CHIP	75 		1/10W	111000	1 210 010 11		10011	070	1,1011
R1510	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R1562	1-216-809-11	METAL CHIP	100	5%	1/10W
						R1563	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1511	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1565	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1566	1-216-809-11	METAL CHIP	100	5%	1/10W
R1513	1-218-665-11	METAL CHIP	75		1/10W	R1567	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-821-11	METAL CHIP	1K	5%	1/10W	1007	1 210-000-11	WIE IT LE OT III	1011	J /0	1/1044
R1520	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1568	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1569	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1570	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
R1522	1-216-824-11	METAL CHIP	1.8K	5%	1/10W					5% 5%	1/10W
						R1571	1-216-809-11	METAL CHIP	100	3%	I/ IUVV



REF. NO.	PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R1572	1-216-809-11	METAL CHIP	100	5%	1/10W		R1626	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1573	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1627	1-218-676-11	METAL CHIP	220	0.50%	
R1574	1-216-809-11	METAL CHIP	100	5%	1/10W		R1628	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1575	1-216-809-11	METAL CHIP	100	5%	1/10W		R1629	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1576	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1630	1-218-676-11	METAL CHIP	220	0.50%	
R1577	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1631	1-218-676-11	METAL CHIP	220	0.50%	
R1578	1-216-857-11	METAL CHIP	1M	5%	1/10W		R1632	1-218-676-11	METAL CHIP	220	0.50%	
R1579	1-216-842-11	METAL CHIP	56K	5%	1/10W		R1635	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1580	1-216-809-11	METAL CHIP	100	5%	1/10W		R1636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1581	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1582	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1645	1-216-809-11	METAL CHIP	100	5%	1/10W
R1583	1-216-809-11	METAL CHIP	100	5%	1/10W		R1646	1-216-803-11	METAL CHIP	33	5%	1/10W
R1584	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1647	1-216-803-11	METAL CHIP	33	5%	1/10W
R1585	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1648	1-216-803-11	METAL CHIP	33	5%	1/10W
R1586	1-216-813-11	METAL CHIP	220	5%	1/10W		R1649	1-218-676-11	METAL CHIP	220	0.50%	
111000	1 210 010 11	WEINE OTH	220	070	171011		111010	1 210 070 11	WE IT E OT III	220	0.0070	1/1011
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W		R1650	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1588	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1651	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1589	1-216-813-11	METAL CHIP	220	5%	1/10W		R1652	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1590	1-216-809-11	METAL CHIP	100	5%	1/10W		R1653	1-218-676-11	METAL CHIP	220	0.50%	
R1591	1-216-813-11	METAL CHIP	220	5%	1/10W		R1654	1-218-676-11	METAL CHIP	220	0.50%	
R1592	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1655	1-218-676-11	METAL CHIP	220	0.50%	
R1593	1-216-809-11	METAL CHIP	100	5%	1/10W		R1656	1-218-676-11	METAL CHIP	220	0.50%	
R1594	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1657	1-218-676-11	METAL CHIP	220	0.50%	
R1595	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1658	1-218-676-11	METAL CHIP	220	0.50%	
R1596	1-216-830-11	METAL CHIP	5.6K	5%	1/10W		R1659	1-218-676-11	METAL CHIP	220	0.50%	
D.1505	4 040 000 44	METAL OLUB	400	=0/	4/4014/		R1660	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1597	1-216-809-11	METAL CHIP	100	5%	1/10W							
R1598	1-216-830-11	METAL CHIP	5.6K	5%	1/10W							
R1600	1-216-809-11	METAL CHIP	100	5%	1/10W			<u>VARISTOR</u>				
R1604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		VD1512	1-803-974-21	VARISTOR, CHIP	(1608)		
R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W		VD1512 VD1513	1-803-974-21	VARISTOR, CHIP	(1608)		
								1-803-974-21				
R1608	1-216-849-11	METAL CHIP	220K	5%	1/10W		VD1516	1-003-974-21	VARISTOR, CHIP	(1608)		
R1609	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R1610	1-216-849-11	METAL CHIP	220K	5%	1/10W							
R1612	1-216-849-11	METAL CHIP	220K	5%	1/10W							
R1613	1-216-845-11	METAL CHIP	100K	5%	1/10W							
R1615	1-216-841-11	METAL CHIP	47K	5%	1/10W							
R1616	1-216-833-11	METAL CHIP	10K	5%	1/10W							
R1617	1-216-845-11	METAL CHIP	100K	5%	1/10W							
R1618	1-216-864-11	SHORT CHIP										
R1619	1-216-809-11	METAL CHIP	100	5%	1/10W							
R1620	1-216-809-11	METAL CHIP	100	5%	1/10W							
R1623	1-216-853-11	METAL CHIP	470K	5%	1/10W							
R1624	1-216-853-11	METAL CHIP	470K	5%	1/10W							
R1625	1-218-676-11	METAL CHIP	220	0.50%	1/10W	I						110



	REF. NO.	PART NO.	DESCRIPTION	VALUE	s		 REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
_							C547	1-126-767-11	ELECT	1000µF	20%	16V
<b>L</b>	$ \mathbf{Y} $						C548	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	<u> </u>						C549	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
*		A-1302-932-A	AY BOARD, COMPL	ETE.			C550	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
		(KV-27HS420, 29D	ORC420LN ONLY)				C551	1-126-933-11	ELECT	100µF	20%	16V
*		A-1302-935-A	AY BOARD, COMPL	ETE.			C553	1-126-767-11	ELECT	1000µF	20%	16V
		(KV-30HS420 ONI	LY)				C554	1-126-933-11	ELECT	100µF	20%	16V
*		A-1302-941-A	AY BOARD, COMPL	ETE.								
		(KV-32HS420, 34H					C555	1-126-933-11	ELECT	100µF	20%	16V
*			AY BOARD, COMPL	ETE.			C556	1-126-767-11	ELECT	1000µF	20%	16V
		(KV-29DRC420LS	,				C558	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
*			AY BOARD, COMPL	ETE.			C559	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
		(KV-36HS420 ON	LY)				C560	1-126-935-11	ELECT	470µF	20%	16V
		4-382-854-01	SCREW (M3X8), P, SW				C561	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
		4-382-854-21	SCREW (M3X14), P, SV	V (+)			C562	1-126-964-11	ELECT	10µF	20%	50V
							C563	1-126-947-11	ELECT	47µF	20%	35V
							C564	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
		CAPACITOR					C565	1-115-156-11	CERAMIC CHIP	1μF	, ,	10V
	0504	4 405 500 04	10// 15	0.00 5	40	01.7			02.0	. [		
	C501	1-165-529-31	MYLAR	0.22µF	10	0V	C566	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
	C502	1-127-798-51	CERAMIC	4700pF	20%	250V	C567	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
^		(KV-29DRC420LS	· · · · · · · · · · · · · · · · · · ·				C569	1-126-767-11	ELECT	1000μF	20%	16V
<u>/!\</u>	C503	1-165-529-31	MYLAR	0.22µF	10	0V	C574	1-126-960-11	ELECT	1μF	20%	50V
		(ALL EXCEPT KV-	-29DRC420LS)				C577	1-126-960-11	ELECT	1μF	20%	50V
Δ						0) /	0011	1 120 300 11	LLLOT	ıμı	2070	00 V
<u> </u>	C503	1-165-530-21	MYLAR	0.47µF	10	0V	C578	1-126-964-11	ELECT	10μF	20%	50V
		(KV-29DRC420LS	,				C579	1-126-957-11	ELECT	0.22µF	20%	50V
	C504	1-126-961-11	ELECT	2.2µF	20%	50V	C580	1-126-957-11	ELECT	0.22µF	20%	50V
	C505	1-127-794-51	CERAMIC	2200pF	20%	250V	C583	1-136-161-00	FILM	0.22µi 0.047µF	5%	50V
	C506	1-126-971-11	ELECT	470µF	20%	50V	C584	1-126-960-11	ELECT	1μF	20%	50V
							0004	1-120-300-11	LLLOI	īμī	20 /0	30 V
	C507	1-126-943-11	ELECT	2200µF	20%	25V	C585	1-136-161-00	FILM	0.047µF	5%	50V
	C508	1-127-794-51	CERAMIC	2200pF	20%	250V	C591	1-126-935-11	ELECT	470μF	20%	16V
	C510	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V	C593	1-126-935-11	ELECT	470μF	20%	16V
<u> </u>	C512	1-165-529-31	MYLAR	0.22µF	10	0V	C595	1-104-666-11	ELECT	220μF	20%	25V
		(KV-29DRC420LS	ONLY)				C597	1-162-964-11	CERAMIC CHIP	220μ1 0.001μF	10%	50V
^							0001	1-102-304-11	OLIVAIVIIO OTIII	0.00 τμι	10 /0	30 V
<u>/!\</u>	C512	1-165-530-21	MYLAR	0.47µF	10	0V	C598	1-130-495-00	MYLAR	0.1µF	5%	50V
		(ALL EXCEPT KV-					C599	1-130-493-00	ELECT	0.1μΓ 2200μF	20%	35V
	C513	1-126-961-11	ELECT	2.2µF	20%	50V	C601	1-120-955-11	CERAMIC CHIP	2200μF 0.1μF	∠∪ /0	25V
	C514	1-126-960-11	ELECT	1µF	20%	50V	C607	1-130-495-00	MYLAR	0.1μF 0.1μF	5%	50V
	C515	1-126-947-11	ELECT	47µF	20%	35V	C611	1-130-495-00	MYLAR	0.1μF 0.1μF	5% 5%	50V 50V
							0011	1-130-433-00	WITLAN	υ. ιμΓ	J /0	JU V
	C518	1-126-967-11	ELECT	47µF	20%	50V	C612	1-126-952-11	ELECT	1000µF	20%	35V
	C528	1-126-933-11	ELECT	100µF	20%	16V	C613					
	C530	1-126-941-11	ELECT	470µF	20%	25V	C900	1-126-952-11	ELECT	1000µF	20%	35V
	C536	1-126-933-11	ELECT	100µF	20%	16V		1-104-666-11	ELECT	220µF	20%	25V
	C537	1-126-941-11	ELECT	470µF	20%	25V	C903	1-104-666-11	ELECT	220µF	20%	25V
								(ALL EXCEPT K	.v->UH542U)			
	C540	1-126-767-11	ELECT	1000µF	20%	16V	0000	1 100 177 00	ГШМ	4	E0/	E01/
	C542	1-126-941-11	ELECT	470µF	20%	25V	C909	1-136-177-00	FILM	1µF	5%	50V
								(ALL EXCEPT K	.v-3UH542U)			120



CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 10F  CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD) 2P  CN515 1-695-915-11 TAB (CONTACT)  CN516 1-695-915-11 TAB (CONTACT)  CN517 1-695-915-11 TAB (CONTACT)  CN518 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN520 1-695-915-11 TAB (CONTACT)  * CN520 1-695-915-11 TAB (CONTACT)  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P		REF. NO.	PART NO.	DESCRIPTION	VALUE	s			REF. NO.	PART NO.	DESCRIPTION	VALUES	
(ALL EXCEPT KA-SIN-SEZO)  C216 1-162-68-11 CERAMIC CHIP 330p 5% 50V (ALL EXCEPT KA-SIN-SEZO)  C217 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 10% 16V (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 20% 10V D002 S-178-991-33 DIODE 1SS1337-77 (ALL EXCEPT KA-SIN-SEZO)  C221 1-164-677-11 CERAMIC CHIP 0.033µF 20% 10V D056 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C321 1-164-838-81 CERAMIC CHIP 0.03µF 20% 16V D056 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C331 1-134-485-00 MTL/R 0.1µF 5% 50V D050 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C432 1-162-627-11 CERAMIC CHIP 100µF 5% 50V D051 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C442 1-162-627-11 CERAMIC CHIP 100µF 5% 50V D051 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C444 1-162-627-11 PN CONNECTOR POWER)  C4AL EXCEPT KA-SIN-SEZO)  C545 1-129-832-11 ELECT 100µF 20% 16V D051 8-718-991-33 DIODE 1SS1337-7 (ALL EXCEPT KA-SIN-SEZO)  C546 1-129-832-11 PN CONNECTOR POWER)  C6ANS 1-129-832-11 PN CONNECTOR POWER)  C6ANS 1-129-832-11 PN CONNECTOR POWER)  C6ANS 1-129-832-11 PN CONNECTOR RO-RO-RO 19 D-S20 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (D052 8-718-991-33 DIODE 1SS1337-7 (		C912	1-136-177-00	FILM	1µF	5%	50V	*	CN527	1-564-511-61	PLUG, CONNECTOR	8P	
C415			(ALL EXCEPT K\					*	CN900	1-779-892-11	CONNECTOR, BOARD	TO BOARD 10P	
C818		C915	•	,	330pF	5%	50V	*					
C818			(ALL EXCEPT K\		'						V-30HS420)		
C321		C918	•	*	0.0047µF	10%	50V			`	,		
C321			(ALL EXCEPT K)										
C924   1-164-677-11   CERAMIC CHIP   0.039µF 10% 16V   16V   16V   16V   164-677-11   CERAMIC CHIP   0.039µF 10% 16V   16V			,	,						DIODE			
C324   1-164-677-11   CERAMIC CHIP   0.033µF   10%   16V   1502   8-719-991-33   DIODE   15S1337-77   173-991-991-33   DIODE   15S1337-77   173		C921	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V			DIODE			
C824			(ALL EXCEPT K\						D501	8-719-991-33	DIODE	1SS133T-77	
CRAIL EXCEPT IX-30HS420   D503		C924	•	,	0.033uF	10%	16V		D502	8-719-991-33	DIODE	1SS133T-77	
C927 1-128-98-9-1 CERAMIC CHIP 0.33 µF 20% 10V D505 8-719-99-1-33 DIODE 15S1337-77 D505 8-719-99-1-33			(ALL EXCEPT K)						D503	8-719-511-40	DIODE	S1VB40	
(ALL EXCEPT KV-30HS420)  C930  1-164-388-91  CRAMIC CHIP  (ALL EXCEPT KV-30HS420)  C933  1-130-348-00  MVLAR  ALL EXCEPT KV-30HS420)  C939  1-126-933-11  C939  1-126-931-11  C939  1-126-931-11  CERAMIC CHIP  (ALL EXCEPT KV-30HS420)  C939  1-126-931-11  C939  1-126-931-11  CERAMIC CHIP  (ALL EXCEPT KV-30HS420)  C940  1-162-937-11  CERAMIC CHIP  (ALL EXCEPT KV-30HS420)  C941  1-162-937-11  CERAMIC CHIP  100µF  20%  16V  D510  B-719-991-33  D10DE  1SS1331-77  D511  B-719-991-33  D10DE  1SS1331-77  D513  B-719-991-33  D10DE  1SS1331-77  D514  B-719-991-33  D10DE  1SS1331-77  D516  B-719-991-33  D10DE  1SS1331-77  D517  B-719-991-33  D10DE  1SS1331-77  D519  B-719-991-33  D10DE  1SS1331-77  D519  B-719-991-33  D10DE  1SS1331-77  D521  B-719-991-33  D10D		C927	•	,	0.33uF	20%	10V		D504	8-719-991-33	DIODE	1SS133T-77	
C930 1-164-388-91 CERAMIC CHIP 270pF 5% 50V D509 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C933 1-190-495-00 MYLAR 0.1 pF 5% 50V D510 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C939 1-126-933-11 ELECT 100 pF 20% 16V D512 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C942 1-162-927-11 CERAMIC CHIP 100 pF 5% 50V D514 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C945 1-126-933-11 ELECT 100 pF 20% 16V D515 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C945 1-126-930-11 ELECT 100 pF 20% 16V D516 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C946 1-126-931 BLECT 100 pF 20% 16V D516 8-719-991-33 DIODE 1SS133T-77 (ALL EXCEPT KV-30HS420) C947 1-126-931 PN CONNECTOR (PS DOARD 10 PS					o.oop.	2070			D505	8-719-991-33	DIODE	1SS133T-77	
CRITIC   CRITIC			(/ 122 2/102)										
(ALL EXCEPT KV-30HS420) C939 1.130-495.00 MYLAR 0.1µF 5% 50V D510 8-719-991-33 DIODE 1SS133T-77 D510 8-719-991-33 DIODE 1SS133T-77 D510 8-719-991-33 DIODE 1SS133T-77 D512 8-719-991-33 DIODE 1SS133T-77 D513 8-719-991-33 DIODE 1SS133T-77 D514 8-719-991-33 DIODE 1SS133T-77 D515 8-719-991-33 DIODE 1SS133T-77 D516 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D518 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D517 8-719-991-33 DIODE 1SS133T-77 D518 8-719-991-33 DIODE 1SS133T-77 D519 8-719-991-33 DIODE 1SS133T-77 D521 8-719-991-33 DIODE 1SS133T-77 D522 8-719-991-33 DIODE 1SS133T-77 D521 8-719-991-33 DIODE 1SS133T-77 D522 8-719-991-33 DIODE 1SS133T-77 D522 8-719-991-33 DIODE 1SS133T-77 D522 8-719-991-33 DIODE 1SS133T-77 D522 8-719-991-33 DIODE 1SS133T-77 D524 8-719-991-33 DIODE		C930	1-164-388-91	CERAMIC CHIP	270pF	5%	50V		D508	8-719-991-33	DIODE	1SS133T-77	
C933					vp.	0,0			D509	8-719-991-33	DIODE	1SS133T-77	
(ALL EXCEPT KV-30HS420) C939 1.126-933.11 ELECT 100µF 20% 16V  C942 1.162-927-11 CERAMIC CHIP 100µF 5% 50V C945 1.126-933-11 ELECT 100µF 20% 16V  C945 1.126-933-11 ELECT 100µF 20% 16V  C945 1.126-933-11 ELECT 100µF 20% 16V  C945 1.126-933-11 ELECT 100µF 20% 16V  C946 1.126-933-11 ELECT 100µF 20% 16V  C947 1.126-933-11 ELECT 100µF 20% 16V  C948 1.126-933-11 ELECT 100µF 20% 16V  C949 1.126-933-11 ELECT 100µF 20% 16V  C940 1.126-933-11 ELECT 100µF 20% 16V  C941 1.126-933-11 ELECT 100µF 20% 16V  C941 1.126-933-11 ELECT 100µF 20% 16V  C942 1.126-933-11 ELECT 100µF 20% 16V  C943 1.126-933-11 ELECT 100µF 20% 16V  C944 1.126-933-11 ELECT 100µF 20% 16V  C945 1.126-933-11 ELECT 100µF 20% 16V  C946 1.126-933-11 ELECT 100µF 20% 16V  C947 1.126-933-11 ELECT 100µF 20% 16V  C948 1.126-933-11 ELECT 100µF 20% 16V  C949 1.126-933-11 ELECT 100µF 20% 16V  C950 1.126-933-11 ELECT 100µF 20% 16V  C950 1.126-933-11 ELECT 100µF 20% 16V  C950 1.126-933-11 ELECT 100µF 20% 16V  CNS01 1.126-933-11 ELECT 100µF 20% 16V  CNS01 1.126-933-11 ELECT 100µF 20% 16V  CNS01 1.126-933-11 ELECT 100µF 20% 16V  CNS01 1.126-933-11 PIN, CONNECTOR (POMER)  CNS01 1.126-915-11 PIN, CONNECTOR (POMER)  CNS02 1.126-933-11 PIN, CONNECTOR (SMM PITCH) 2P  CNS03 1.126-934-11 PIN, CONNECTOR (SMM PITCH) 2P  CNS04 1.126-934-11 PIN, CONNECTOR (SMM PITCH) 2P  CNS05 1.126-934-11 PIN, CONNECTOR (SMM PITCH) 2P  CNS06 1.126-934-11 PIN, CONNECTOR (SMR DI DP  CNS09 1.179-892-11 CONNECTOR, BOARD TO BOARD 10P  CNS09 1.179-892-11 CONNECTOR, BOARD TO BOARD 10P  CNS10 1.126-915-11 TAB (CONTACT)  CNS20 1.268-915-11 TAB (CONTACT)  CNS20 1.268-915-11 TAB (CONTACT)  CNS20 1.268-915-11		C933	•	,	0 1uF	5%	50V		D510	8-719-991-33	DIODE	1SS133T-77	
C939		0000			σ μ.	070	001		D511	8-719-991-33	DIODE	1SS133T-77	
(ALL EXCEPT KV-30HS420)  C942		C939	•	,	100uF	20%	16V		D512	8-719-991-33	DIODE	1SS133T-77	
C942 1-162-927-11 CERAMIC CHIP 100pF 5% 50V D514 8-719-991-33 DIODE 15S133T-77 (ALL EXCEPT KV-30HS420) D515 8-719-991-33 DIODE 15S133T-77 (ALL EXCEPT KV-30HS420) D516 8-719-991-33 DIODE 15S133T-77 (ALL EXCEPT KV-30HS420) D516 8-719-991-33 DIODE 15S133T-77 (ALL EXCEPT KV-30HS420) D516 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D517 8-719-991-33 DIODE 15S133T-77 D518 8-719-991-33 DIODE 15S133T-77 D548 8-719-991-		0000			Ισομι	2070	101						
(ALL EXCEPT KV-30HS420)  C945  1-126-933-11  (ALL EXCEPT KV-30HS420)  C946  1-126-933-11  (ALL EXCEPT KV-30HS420)  CONNECTOR  CONNECTOR  CN501  1-695-915-11  CN503  1-898-943-11  PIN, CONNECTOR (PC BOARD)  CN505  1-766-241-11  PIN, CONNECTOR (PC BOARD)  CN506  1-508-768-00  PIN, CONNECTOR, BOARD TO BOARD 10P  CN507  CN508  1-779-892-11  CN508  1-779-892-11  CONNECTOR, BOARD TO BOARD 10P  CN508  1-779-892-11  CN501  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN504  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN505  1-766-241-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN506  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  1-798-991-11  CN507  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN508  CN509  1-779-892-11  CONNECTOR, BOARD TO BOARD 10P  CN501  1-798-991-11  TAB (CONTACT)  CN510  1-895-915-11  TAB (CONTACT)  CN511  1-895-915-11  TAB (CONTACT)  CN512  CN512  1-895-915-11  TAB (CONTACT)  CN513  1-895-915-11  TAB (CONTACT)  CN514  1-766-240-11  PIN, CONNECTOR, BOARD TO BOARD 10P  CN519  1-895-915-11  TAB (CONTACT)  CN510  CN520  1-895-915-11  TAB (CONTACT)  CN510  CN520  1-895-915-11  TAB (CONTACT)  CN510  CN520  1-895-915-11  TAB (CONTACT)  CN510  PUG, CONNECTOR, BOARD TO BOARD 10P  CN520  1-895-915-11  TAB (CONTACT)  CN510  PUG, CONNECTOR, BOARD TO BOARD 10P  CN520  1-895-915-11  TAB (CONTACT)  CN510  PUG, CONNECTOR, BOARD TO BOARD 10P  CN520  TABLE PROPHY AND AND AND AND AND AND AND AND AND AND			(ALL LAOLI TIK	00110120)					D513	8-719-991-33	DIODE	1SS133T-77	
(ALL EXCEPT KV-30HS420)  C945  1-126-933-11  ELECT  (ALL EXCEPT KV-30HS420)  CONNECTOR  CONNECTOR  CONNECTOR  CONNECTOR  CONSO3  1-898-915-11  CNS01  1-898-915-11  CNS02  1-766-241-11  PIN, CONNECTOR (PC BOARD)  CNS04  1-778-892-11  CNS07  1-764-812-12  CNS07  1-766-812-12  CNS08  1-779-892-11  CONNECTOR, BOARD TO BOARD 10P  CNS08  CNS08  1-779-892-11  CONNECTOR, BOARD TO BOARD 10P  CNS01  1-769-915-11  TAB (CONTACT)  CNS01  1-898-915-11  TAB (CONTACT)  CNS01  1-898-915-11  TAB (CONTACT)  CNS02  CNS04  1-769-891-13  D516  8-719-991-33  DIODE  1SS133T-77  D520  8-719-991-33  DIODE  1SS133T-77  D521  8-719-991-33  DIODE  1SS133T-77  D524  8-719-991-33  DIODE  1SS133T-77  D530  8-719-991-33  DIODE  MTZJ-T-77-22B  D531  R00BC  R012ER  R00BC  R012ER  R00BC  R012ER  R00BC  R012ER  R00BC  R012		C942	1_162_927_11	CERAMIC CHIP	100nF	5%	50\/		D514	8-719-991-33	DIODE	1SS133T-77	
C945 1-126-933-11 ELECT 100µF 20% 16V  C945 1-126-933-11 ELECT 100µF 20% 16V  CONNECTOR  CONNECTOR  CN501 1-695-915-11 TAB (CONTACT)  CN503 1-580-843-11 PIN, CONNECTOR (PC BOARD) 3P  (ALL EXCEPT KV-27H5420, 290RC420LN, 38H5420)  CN506 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  (CN506 1-580-786-00 PIN, CONNECTOR (PC BOARD) 11P  CN507 1-784-812-12 CONNECTOR, BOARD TO BOARD 11P  CN508 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN509 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN510 1-793-494-11 TAB (CONTACT)  CN511 1-793-915-11 TAB (CONTACT)  CN512 1-795-915-11 TAB (CONTACT)  CN513 1-798-91-11 TAB (CONTACT)  CN514 1-766-241-11 PIN, CONNECTOR, BOARD TO BOARD 10P  CN516 1-895-915-11 TAB (CONTACT)  CN517 1-895-915-11 TAB (CONTACT)  CN518 1-895-915-11 TAB (CONTACT)  CN519 1-895-915-11 TAB (CONTACT)  CN519 1-895-915-11 TAB (CONTACT)  CN519 1-895-915-11 TAB (CONTACT)  CN519 1-895-915-11 TAB (CONTACT)  CN524 1-564-515-11 PLUG, CONNECTOR BOARD TO BOARD 10P  CN524 1-564-515-11 TAB (CONTACT)  CN524 1-564-515-11 PLUG, CONNECTOR BOARD TO BOARD 10P  CN524 1-564-515-11 TAB (CONTACT)  CN524 1-564-515-11 PLUG, CONNECTOR BOARD TO BOARD 10P  CN526 1-564-508-11 TAB (CONTACT)  CN526 1-564-508-11 PLUG, CONNECTOR BOARD TO BOARD 10P  CN526 1-564-508-11 PLUG, CONNECTOR BOARD TO BO		0042			тоорі	0 /0	00 V		D515	8-719-991-33	DIODE	1SS133T-77	
CONNECTOR		C0/15	•	,	100uF	20%	16\/					1SS133T-77	
CONNECTOR  CONSIDER THE STREET OF THE STREE		0340			ισομι	20 /0	10 V						
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CONNECTOR  CN501 1-695-915-11 TAB (CONTACT)  CN503 1-580-843-11 PIN, CONNECTOR (POWER)  CN504 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  CN506 1-508-786-00 PIN, CONNECTOR (PC BOARD) 3P  CN507 1-764-812-12 CONNECTOR, BOARD TO BOARD 10P  CN509 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 10P  CN514 1-766-240-11 PIN, CONNECTOR, BOARD TO BOARD 40P  CN515 1-895-915-11 TAB (CONTACT)  CN516 1-895-915-11 TAB (CONTACT)  CN517 1-895-915-11 TAB (CONTACT)  CN518 1-895-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN510 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN510 1-779-892-11 CONNECTOR (PC BOARD) 2P  CN511 1-895-915-11 TAB (CONTACT)  CN512 1-895-915-11 TAB (CONTACT)  CN513 1-895-915-11 TAB (CONTACT)  CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD 10P  CN515 1-895-915-11 TAB (CONTACT)  CN516 1-895-915-11 TAB (CONTACT)  CN517 1-895-915-11 TAB (CONTACT)  CN518 1-895-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN510 1-79-892-11 CONNECTOR BOARD TO BOARD 10P  CN524 1-564-515-11 PLUG, CONNECTOR 12P  CN524 1-564-515-11 PLUG, CONNECTOR 5P  D524 8-719-991-33 DIODE 1SS133T-77  D526 8-719-991-33 DIODE 1SS133T-77  D528 8-719-991-33 DIODE 1SS133T-77  D533 8-719-991-33 DIODE 1SS133T-77  D533 8-719-991-33 DIODE 1SS133T-77  D533 8-719-991-33 DIODE 1SS133T-77  D546 8-719-991-33 DIODE 1SS133T-77  D552 8-719-991-33 DIODE 1SS133T-77  D552 8-719-991-33 DIODE 1SS133T-77  D553 8-719-991-33 DIODE 1SS133T-77  D554 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D554 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D554 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D554 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D554 8-719-991-33 DIODE 1SS133T-77  D555 8-719-991-33 DIODE 1SS133T-77  D556 8-719-991-33 DIODE 1SS133T-77  D558 8-719-991-33									D519	8-719-991-33	DIODE	1SS133T-77	
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* CN504 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  (ALL EXCEPT KV-27HS420, 29DRC420LN, 36HS420)  * CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  * CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P  * CN506 1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P  * CN507 1-764-812-12 CONNECTOR, BOARD TO BOARD 11P  * CN508 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN509 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 10P  * CN511 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN512 1-695-915-11 TAB (CONTACT)  CN513 1-695-915-11 TAB (CONTACT)  CN514 1-695-915-11 TAB (CONTACT)  CN517 1-695-915-11 TAB (CONTACT)  CN518 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN510 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN520 1-695-915-11 TAB (CONTACT)  CN511 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P				` '	(ER)								
* CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P	*				,	3P							
* CN505 1-766-241-11 PIN, CONNECTOR (PC BOARD) 3P D530 8-719-924-13 DIODE MTZJ-T-77-22B D531 8-719-924-13 DIODE MTZJ-T-77-22B D531 8-719-924-13 DIODE MTZJ-T-77-22B MTZJ-T-77-22B D531 8-719-924-13 DIODE MTZJ-T-77-22B MTZJ-T-77-22B D531 8-719-991-33 DIODE MTZJ-T-77-22B D531 8-719-991-33 DIODE MTZJ-T-77-22B MTZJ-T-77-22B D531 8-719-991-33 DIODE MTZJ-T-77-22B MTZJ-T-77-22B D531 8-719-991-33 DIODE MTZJ-T-77-22B MTZJ-T-77-22B D531 8-719-991-33 DIODE MTZJ-T-77-22B MTZJ-T-7-22B MTZJ-T-77-22B MTZJ-T-7-22B MTZJ-T-77-22B MTZJ-T-77-22B MTZJ-T-77-22B MTZJ-T-77-22B MTZJ					,				D526	8-719-991-33	DIODE	1SS133T-77	
* CN506 1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P D531 8-719-924-13 DIODE MTZJ-T-77-22B D534 8-719-991-33 DIODE 1SS133T-77 D535 8-719-991-33 DIODE 1SS133T-77 D548 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P D540 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D548 8-719-911-31 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420) CN515 1-695-915-11 TAB (CONTACT) TAB (CONTACT) D900 8-719-110-31 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420) CN518 1-695-915-11 TAB (CONTACT) D903 8-719-110-31 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420) CN519 1-695-915-11 TAB (CONTACT) (ALL EXCEPT KV-30HS420) FUSE 6-3A 250V CN524 1-564-518-11 PLUG, CONNECTOR 12P FS01 1-532-506-51 FUSE 6-3A 250V	*	CN505	*	·	,	3P						MTZJ-T-77-22B	
* CN506 1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P				,	,							MTZJ-T-77-22B	
* CN507 1-764-812-12 CONNECTOR, BOARD TO BOARD 11P  * CN508 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN509 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD) 2P  CN515 1-695-915-11 TAB (CONTACT)  CN516 1-695-915-11 TAB (CONTACT)  CN517 1-695-915-11 TAB (CONTACT)  CN518 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN520 1-695-915-11 TAB (CONTACT)  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P	*	CN506	1-508-786-00	PIN. CONNECTOR (5MM	PITCH)	2P				8-719-991-33			
* CN508 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN509 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN510 1-793-494-11 CONNECTOR, BOARD TO BOARD 40P  * CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD) 2P  CN515 1-695-915-11 TAB (CONTACT)  CN516 1-695-915-11 TAB (CONTACT)  CN517 1-695-915-11 TAB (CONTACT)  CN518 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN520 1-695-915-11 TAB (CONTACT)  * CN520 1-695-915-11 TAB (CONTACT)  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P	*												
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* CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD) 2P CN515 1-695-915-11 TAB (CONTACT) CN516 1-695-915-11 TAB (CONTACT) CN517 1-695-915-11 TAB (CONTACT) CN518 1-695-915-11 TAB (CONTACT) CN520 1-695-915-11 TAB (CONTACT) * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P * CN524 1-564-515-11 PLUG, CONNECTOR 12P * CN526 1-564-508-11 PLUG, CONNECTOR 5P  D548 8-719-91-33 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420)  8-719-110-31 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420)  FUSE  1 SS133T-77  D900 8-719-110-31 DIODE RD12ESB2 (ALL EXCEPT KV-30HS420)  FUSE  1 FS01 1-532-506-51 FUSE 6.3A 250V				·									
* CN514 1-766-240-11 PIN, CONNECTOR (PC BOARD) 2P CN515 1-695-915-11 TAB (CONTACT) CN516 1-695-915-11 TAB (CONTACT) CN517 1-695-915-11 TAB (CONTACT) CN518 1-695-915-11 TAB (CONTACT) CN519 1-695-915-11 TAB (CONTACT) CN520 1-695-915-11 TAB (CONTACT) * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P													
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CN516 1-695-915-11 TAB (CONTACT) CN517 1-695-915-11 TAB (CONTACT) CN518 1-695-915-11 TAB (CONTACT)  CN519 1-695-915-11 TAB (CONTACT)  CN520 1-695-915-11 TAB (CONTACT)  * CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P													
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* CN521 1-779-892-11 CONNECTOR, BOARD TO BOARD 10P  * CN524 1-564-515-11 PLUG, CONNECTOR 12P  * CN526 1-564-508-11 PLUG, CONNECTOR 5P				, ,						FUCE			
* CN524 1-564-515-11 PLUG, CONNECTOR 12P					O BOARD	10P				LU9E			
* CN526 1-564-508-11 PLUG, CONNECTOR 5P					C DOM (D			<u>/</u> ì\	F501	1-532-506-51	FUSE	6.3A	250V
lacksquare	*			•									
		311020	. 001 000 11	. 200, 00.111201011		٥.		l					121



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
	FERRITE BEAD				<u> </u>	L510	1-433-404-21	TRANSFORMER, LIN	E FILTER		
FB500	1-412-911-11	FERRITE	0µH				(ALL EXCEPT K	V-29DRC420LS)			
1 0000	(ALL EXCEPT K		ομι ι		<u> </u>	L510	1-433-900-11	TRANSFORMER, LIN	E FILTER		
FB501	1-412-911-11	FERRITE	0μH		^		(KV-29DRC420L	*			
. 200 .	(KV-29DRC420L		<b>~</b> F		<u> </u>	L511	1-433-404-21	TRANSFORMER, LIN	E FILTER		
FB502	1-412-911-11	FERRITE	0μΗ								
						L900	1-408-612-31	INDUCTOR	56µH		
							(ALL EXCEPT K	V-30HS420)			
	FUSE HOLDER										
FH501	1-533-223-11	FUSE HOLDER	0A	0V			IC LINK				
FH502	1-533-223-11	FUSE HOLDER	0A	0V		PS502	1-532-984-11	IC LINK	2A	50V	
						F3302	1-332-904-11	IC LINK	ZA	50 V	
	<u>IC</u>						TDANGISTOD				
IC501	8-759-450-47	IC	BA05T				<u>TRANSISTOR</u>				
IC501	8-759-520-49	IC	PQ30RV21			Q501	8-729-422-27	TRANSISTOR	2SD601	A-Q	
IC504	6-700-898-01	IC	PQ05RD21			Q502	8-729-424-02	TRANSISTOR		A-QRS-T	
IC505	8-759-653-07	IC	PQ09RD21			Q503	8-729-424-02	TRANSISTOR		A-QRS-T	
IC508	8-759-246-70	IC	TA8216H			Q505	8-729-424-02	TRANSISTOR		A-QRS-T	X
						Q507	8-729-422-27	TRANSISTOR	2SD601	A-Q	
IC900	8-749-016-08	IC	STK390-910			Q508	8-729-424-02	TRANSISTOR	2SB709	A-QRS-T	·Χ
10000	(ALL EXCEPT K	•	0\/400704B			Q510	8-729-424-02	TRANSISTOR		A-QRS-T	
IC903	8-759-595-52	IC	CXA8070AP			Q511	8-729-422-27	TRANSISTOR	2SD601	A-Q	
	(ALL EXCEPT K	V-30HS420)				Q512	8-729-424-02	TRANSISTOR	2SB709	A-QRS-T	X
						Q513	8-729-422-27	TRANSISTOR	2SD601	A-Q	
	CHIP CONDUCT	<u>'OR</u>				Q514	8-729-424-02	TRANSISTOR	2SB709	A-QRS-T	ΥX
JR501	1-216-864-11	SHORT CHIP				Q517	8-729-422-27	TRANSISTOR	2SD601	A-Q	
JR502	1-216-864-11	SHORT CHIP				Q518	8-729-422-27	TRANSISTOR	2SD601	A-Q	
JR509	1-216-864-11	SHORT CHIP				Q519	8-729-422-27	TRANSISTOR	2SD601	A-Q	
JR510	1-216-864-11	SHORT CHIP				Q524	8-729-422-27	TRANSISTOR	2SD601	A-Q	
JR511	1-216-864-11	SHORT CHIP				Q527	8-729-424-02	TRANSISTOR	2SB709	A-QRS-T	X
JR512	1-216-864-11	SHORT CHIP									
JR513	1-216-864-11	SHORT CHIP					RESISTOR				
JR514	1-216-864-11	SHORT CHIP									
JR515	1-216-864-11	SHORT CHIP				R501	1-216-864-11	SHORT CHIP			
JR516	1-216-864-11	SHORT CHIP				R502	1-244-207-11	RES, WIREWOUND	3.3	5%	10W
						DEOO	(KV-29DRC420L	•	0.0	<b>F</b> 0/	4011/
						R503	1-244-207-11	RES, WIREWOUND	3.3	5%	10W
	COIL						(KV-29DRC420L	S ONLY)			
L502	1-412-525-31	INDUCTOR	10µH			R504	1-216-833-11	METAL CHIP	10K	5%	1/10W
L505	1-469-320-21	INDUCTOR	100μH			R505	1-216-833-11	METAL CHIP	10K	5%	1/10W
L506	1-469-320-21	INDUCTOR	100µH			R506	1-216-857-11	METAL CHIP	1M	5%	1/10W
L507	1-469-317-21	INDUCTOR	10μH			R507	1-247-895-91	CARBON	470K	5%	1/4W
L508	1-412-529-11	INDUCTOR	22μH								
						R508	1-218-265-11	METAL	8.2M	5%	1W
							(KV-29DRC420L	S ONLY)			
					1						



	REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
	R508	1-219-512-11	METAL	2.2M	5%	1/2W	R565	1-216-821-11	METAL CHIP	1K	5%	1/10W
		(ALL EXCEPT K	V-29DRC420LS)				R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
<u> </u>	R509	1-244-268-11	CEMENTED	1	5%	20W	R572	1-216-809-11	METAL CHIP	100	5%	1/10W
		(KV-29DRC420L					R573	1-216-847-11	METAL CHIP	150K	5%	1/10W
<u> </u>	R509	1-244-270-11	CEMENTED	0.47	5%	20W	R574	1-216-809-11	METAL CHIP	100	5%	1/10W
		(ALL EXCEPT K										
		(	,				R577	1-216-821-11	METAL CHIP	1K	5%	1/10W
<u> </u>	R510	1-244-268-11	CEMENTED	1	5%	20W	R579	1-216-821-11	METAL CHIP	1K	5%	1/10W
		(KV-29DRC420L		·			R581	1-216-864-11	SHORT CHIP		• • • • • • • • • • • • • • • • • • • •	
À	R510	1-244-270-11	CEMENTED	0.47	5%	20W	R582	1-216-864-11	SHORT CHIP			
		(ALL EXCEPT K		• • • • • • • • • • • • • • • • • • • •	0,0		R585	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R511	1-216-849-11	METAL CHIP	220K	5%	1/10W			•		• 70	.,
		1 210 010 11	ME IA LE OT III	22011	070	.,	R586	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R512	1-216-849-11	METAL CHIP	220K	5%	1/10W	R588	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R513	1-216-833-11	METAL CHIP	10K	5%	1/10W	R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R515	1-216-833-11	METAL CHIP	10K	5%	1/10W	R591	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R516	1-216-857-11	METAL CHIP	1M	5%	1/10W	R595	1-216-813-11	METAL CHIP	220	5%	1/10W
	R524	1-216-833-11	METAL CHIP	10K	5%	1/10W	1733	1-210-013-11	WIE TAL CITIF	220	3 /0	1/1000
	N324	1-210-033-11	WIETAL CHIF	IUN	3/0	1/1000	R596	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R527	1-216-341-11	METAL OXIDE	0.22	5%	1W	R598	1-216-833-11	METAL CHIP	10K	5%	1/10W
			METAL CHIP	0.22 1K	5% 5%	1/10W		1-216-825-11	METAL CHIP	2.2K		1/10W
	R531	1-216-821-11					R599				5%	
	R532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R601	1-216-813-11	METAL CHIP	220	5%	1/10W
	R533	1-216-833-11	METAL CHIP	10K	5%	1/10W	R602	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R534	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	Door	4 040 000 44	METAL OLUB	4.71/	<b>5</b> 0/	4/40/4/
	D=0=	4 040 700 44	METAL OLUB	4017	0.500/	4/40144	R603	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R535	1-218-722-11	METAL CHIP	18K		1/10W	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R537	1-218-750-11	METAL CHIP	270K		1/10W	R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R539	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R540	1-216-821-11	METAL CHIP	1K	5%	1/10W						
							R617	1-249-385-11	CARBON	2.2	5%	1/4W
	R542	1-216-821-11	METAL CHIP	1K	5%	1/10W	R622	1-249-385-11	CARBON	2.2	5%	1/4W
	R544	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R631	1-249-429-11	CARBON	10K	5%	1/4W
	R545	1-216-805-11	METAL CHIP	47	5%	1/10W	R632	1-249-429-11	CARBON	10K	5%	1/4W
	R546	1-216-805-11	METAL CHIP	47	5%	1/10W	R635	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R547	1-216-827-11	METAL CHIP	3.3K	5%	1/10W						
							R636	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R643	1-216-864-11	SHORT CHIP			
	R550	1-216-845-11	METAL CHIP	100K	5%	1/10W	R646	1-216-864-11	SHORT CHIP			
	R551	1-216-833-11	METAL CHIP	10K	5%	1/10W	R900	1-216-864-11	SHORT CHIP			
	R552	1-216-837-11	METAL CHIP	22K	5%	1/10W		(ALL EXCEPT K	V-30HS420)			
	R553	1-216-821-11	METAL CHIP	1K	5%	1/10W						
							R903	1-260-288-11	CARBON	0.47	5%	1/2W
	R554	1-216-864-11	SHORT CHIP					(ALL EXCEPT K	V-30HS420)			
	R555	1-216-833-11	METAL CHIP	10K	5%	1/10W	R906	1-260-288-11	CARBON	0.47	5%	1/2W
	R556	1-216-839-11	METAL CHIP	33K	5%	1/10W		(ALL EXCEPT K	V-30HS420)			
	R557	1-216-821-11	METAL CHIP	1K	5%	1/10W	R909	1-216-843-11	METAL CHIP	68K	5%	1/10W
	R558	1-216-857-11	METAL CHIP	1M	5%	1/10W		(ALL EXCEPT K				
								•	•			
	R559	1-216-847-11	METAL CHIP	150K	5%	1/10W	R912	1-216-381-11	METAL OXIDE	0.22	5%	3W
			METAL CHIP	2.2K			· · • · •	(ALL EXCEPT K			- / •	
	R560	1-216-825-11	METALCHIP	Z.ZN	5%	1/10W			.V-3UH34ZU)			



REF. NO.	PART NO.	DESCRIPTION	VALUES	S			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
R915	1-215-886-11	METAL OXIDE	100	5%	2W			THERMISTOR				
	(ALL EXCEPT K)	*				<u>^</u>	TH501	1-803-540-11	THERMISTOR, POSITIV	F		
R918	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W		111001	(KV-29DRC420LS		_		
DOOO	(ALL EXCEPT K)	*				<u> </u>	TH501	1-803-970-11	THERMISTOR, POSITIV	E		
R920	1-216-864-11 (ALL EXCEPT K)	SHORT CHIP						(ALL EXCEPT KV-				
	(ALL EXCEPT N	V-3UFI342U)						•	·			
R921	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W							
	(ALL EXCEPT K)	/-30HS420)						<u>TUNER</u>				
R927	1-218-696-11	METAL CHIP	1.5K	0.50%	1/10W		TU502	8-598-593-40	TUNER, FSS BTF-WA42	1		
	(ALL EXCEPT K)	/-30HS420)					10002	0 000 000 10	1011211,100 211 111112			
R930	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W							
	(ALL EXCEPT K)	/-30HS420)						<u>VARISTOR</u>				
R933	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	$\wedge$	\/DE04		VADIOTOD			
11300	(ALL EXCEPT K)	-	7.710	0.5070	1/1044	<u> </u>	VD501	1-804-992-21	VARISTOR			
R939	1-216-805-11	METAL CHIP	47	5%	1/10W	<u> </u>	VD501	(ALL EXCEPT KV- 1-804-995-11	VARISTOR			
11000	(ALL EXCEPT K)	-		070	1, 1011	<u> </u>	VD301	(KV-29DRC420LS				
R942	1-216-429-00	METAL OXIDE	270	5%	1W			(KV-29DKC420L3	ONLI			
	(ALL EXCEPT K)	/-30HS420)					'QL	V				
	,	,					10	<u>I</u> _				
R945	1-216-805-11	METAL CHIP	47	5%	1/10W	*		A-1302-942-A	HBY BOARD, COMP	LETE		
	(ALL EXCEPT K)	/-30HS420)										
R948	1-216-845-11	METAL CHIP	100K	5%	1/10W							
	(ALL EXCEPT K)	*						<b>CAPACITOR</b>				
R949	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W		04400	4 400 000 44	FLECT	4	200/	F0\/
	(ALL EXCEPT K)	/-30HS420)					C1100 C1101	1-126-960-11 1-126-960-11	ELECT ELECT	1μF 1μF	20% 20%	50V 50V
DOCO	4 040 700 44	METAL CLUD	4.71/	0.500/	4/40\4/		CIIUI	1-120-900-11	ELECT	īμr	20 /0	30 V
R950	1-218-708-11 (ALL EXCEPT K)	METAL CHIP	4.7K	0.50%	1/10W							
R951	1-216-845-11	METAL CHIP	100K	5%	1/10W			CONNECTOR				
11001	(ALL EXCEPT K)	-	10010	370	1/1000			COMMEDION				
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W	*	CN1100	1-764-334-11	PIN, CONNECTOR(PCB	)(V TYPE)1	1P	
	(ALL EXCEPT K)	/-30HS420)										
								DIODE				
								DIODE				
	<u>RELAY</u>						D1100	8-719-977-28	DIODE	DTZ10B		
⚠ RY501	1-755-389-11	RELAY (AC POWER)					D1101	8-719-977-28	DIODE	DTZ10B		
		, ,					D1103	8-719-977-28	DIODE	DTZ10B		
	TRANSFORMER	•						<u>FILTER</u>				
T502	1-437-697-11	TRANSFORMER, STAN	IDRY					FILTER				
1002	(ALL EXCEPT K)	•	.551				FL1103	1-409-755-11	FERRITE	0μΗ		
T502	1-437-742-11	TRANSFORMER, STAN	NDBY				FL1104	1-409-755-11	FERRITE	0μΗ		
	(KV-29DRC420L											
								<u>JACK</u>				
							J1100	1-770-053-12	TERMINAL BLOCK, S(LI	GHT ANGL	E)	
									, - (		,	



	REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. N	NO.	PART NO.	DESCRIPTION	VALUE	s	
		CHIP CONDUCTO	<u>)R</u>						<u>IC</u>				
	JR1100	1-216-864-11	SHORT CHIP				IC1051		8-742-212-20	HYB IC	SBX3081-7	71	
	JR1101	1-216-864-11	SHORT CHIP										
	JR1102	1-216-864-11	SHORT CHIP										
	JR1103	1-216-864-11	SHORT CHIP						<u>RESISTOR</u>				
	JR1104	1-216-864-11	SHORT CHIP						KLOIOTOK				
							R1052		1-249-409-11	CARBON	220	5%	1/4W
	JR1105	1-216-864-11	SHORT CHIP				R1053		1-249-409-11	CARBON	220	5%	1/4W
	JR1106	1-216-864-11	SHORT CHIP				R1054		1-249-433-11	CARBON	22K	5%	1/4W
	JR1107	1-216-864-11	SHORT CHIP				R1055		1-249-385-11	CARBON	2.2	5%	1/4W
		RESISTOR							<u>SWITCH</u>				
	R1100	1-216-853-11	METAL CHIP	470K	5%	1/10W	S1052		1-692-431-21	SWITCH, TACTILE			
	R1101	1-216-853-11	METAL CHIP	470K	5%	1/10W							
	R1102	1-218-665-11	METAL CHIP	75		1/10W		┚					
	R1103	1-218-665-11	METAL CHIP	75 75		1/10W							
	R1104	1-216-864-11	SHORT CHIP	70	0.0070	171011							
		1210 001 11	orioitti oriii				*		A-1400-550-A	CH BOARD, MOUNT	ED.		
	R1105	1-216-864-11	SHORT CHIP										
	R1106	1-216-821-11	METAL CHIP	1K	5%	1/10W			7-682-647-09	SCREW +PS 3X6			
	R1107	1-218-665-11	METAL CHIP	75		1/10W							
	R1108	1-216-864-11	SHORT CHIP										
									<u>CAPACITOR</u>				
							C9002		1-163-087-00	CERAMIC CHIP	4pF	0.25pF	50V
		<u>VARISTOR</u>					C9003		1-163-087-00	CERAMIC CHIP	-	0.25pF	
	VD1102	1-803-974-21	VARISTOR, CHIP	(1608)			C9004		1-115-350-51	CERAMIC	0.0047µF	•	2KV
	VDTTUZ	1-003-374-21	VAINISTON, OTH	(1000)			C9005		1-163-087-00	CERAMIC CHIP		0.25pF	
L	10	$\mathbf{Y}$					C9009		1-163-227-11	CERAMIC CHIP	10pF	0.50pF	
							C9010		1-163-227-11	CERAMIC CHIP		0.50pF	
*		A-1302-943-A	HCX BOARD, COMP	LETE			C9011		1-161-830-00	CERAMIC	0.0047µF		500V
							C9012		1-161-830-00	CERAMIC	0.0047µF		500V
							C9013		1-163-035-00	CERAMIC CHIP	0.047µF		50V
		CAPACITOR					C9014		1-161-830-00	CERAMIC	0.0047µF		500V
	C1051	1-126-964-11	ELECT	10μF	20%	50V	C9015		1-163-227-11	CERAMIC CHIP	10pF	0.50pF	50V
							C9018		1-107-961-91	ELECT	10μF	20%	250V
							C9019		1-163-035-00	CERAMIC CHIP	0.047µF		50V
		CONNECTOR					C9020		1-107-961-91	ELECT	10μF	20%	250V
							C9021		1-107-961-91	ELECT	10μF	20%	250V
*	CN1052	1-564-509-11	PLUG, CONNECTOR 6	P									
							C9022		1-101-004-00	CERAMIC	0.01µF		50V
							C9023		1-101-004-00	CERAMIC	0.01µF		50V
		DIODE					C9024		1-163-035-00	CERAMIC CHIP	0.047µF		50V
	D1051	8-719-070-80	DIODE	LNK0120	∩22 <b>C</b>		C9025		1-104-653-11	ELECT		20%	16V
	D1051	8-719-070-80 8-719-070-80	DIODE	LNK0120			C9026		1-163-035-00	CERAMIC CHIP	0.047µF		50V
				•	-		C9027		1-101-004-00	CERAMIC	0.01µF		50V
							C9027		1-101-004-00 1-163-017-00	CERAMIC CHIP	0.01µF 0.0047µF	100/	50V 50V
							C9020		1-103-017-00	OLNAIVIIG GHIF	υ.υυ <del>4</del> 1μΓ	IU /0	JUV



REF. NO.	PART NO.	DESCRIPTION	VALUES	3		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
C9029	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V		TRANSISTOR				
C9030	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V	00001	0 700 404 00	TDANCICTOD	200700	A-QRS-TX	
C9031	1-115-350-51	CERAMIC	0.0047µF		2KV	Q9001	8-729-424-02	TRANSISTOR			
C9032	1-162-116-00	CERAMIC	680pF	10%	2KV	Q9003	8-729-422-27	TRANSISTOR	2SD601		
C9033	1-107-662-11	ELECT	22µF	20%	350V	Q9004	8-729-422-27	TRANSISTOR	2SD601		
						Q9005	8-729-422-27	TRANSISTOR	2SD601		
C9036	1-115-339-11	CERAMIC CHIP	0.1µF	10%	50V	Q9009	8-729-424-02	TRANSISTOR	2SB709/	A-QRS-TX	
C9042	1-126-940-11	ELECT	330µF	20%	25V						
C9046	1-126-933-11	ELECT	100µF	20%	16V	Q9010	8-729-424-02	TRANSISTOR		A-QRS-TX	
			•			Q9011	8-729-424-02	TRANSISTOR		A-QRS-TX	
						Q9014	8-729-823-81	TRANSISTOR	2SC463	2LS-CB7	
	CONNECTOR										
* CN9001	1-764-334-11	PIN, CONNECTOR(PCI	B)(V TYPE)	11P			RESISTOR				
* CN9002	1-564-507-11	PLUG, CONNECTOR		4P		R9001	1-216-041-00	RES-CHIP	470	5%	1/10W
CN9003	1-695-915-11	TAB (CONTACT)				R9006	1-216-073-91	RES-CHIP	10K	5%	1/10W
CN9004	1-695-915-11	TAB (CONTACT)				R9007	1-208-789-11	METAL CHIP	2K	0.50%	
CN9005	1-695-915-11	TAB (CONTACT)				R9007	1-216-085-91	RES-CHIP	33K	5%	1/10W
CN9009	1-785-879-11	CONNECTOR, ONE TO	UCH			R9012	1-216-065-91	RES-CHIP	1K	5% 5%	1/10W
						K9012	1-210-049-11	RES-CHIP	IN	3%	1/1000
	DIODE					R9013	1-216-049-11	RES-CHIP	1K	5%	1/10W
	<u>DIODE</u>					R9014	1-216-033-00	RES-CHIP	220	5%	1/10W
D9002	8-719-977-28	DIODE	DTZ10B			R9015	1-249-409-11	CARBON	220	5%	1/4W
D9005	8-719-404-50	DIODE	MA111-TX			R9016	1-216-033-00	RES-CHIP	220	5%	1/10W
D9006	8-719-051-85	DIODE	HSS83TD			R9018	1-216-041-00	RES-CHIP	470	5%	1/10W
D9007	8-719-051-85	DIODE	HSS83TD								
D9008	8-719-051-85	DIODE	HSS83TD			R9019	1-216-041-00	RES-CHIP	470	5%	1/10W
						R9026	1-208-789-11	METAL CHIP	2K	0.50%	1/10W
D9009	8-719-908-03	DIODE	GP08D			R9031	1-208-789-11	METAL CHIP	2K	0.50%	1/10W
D9010	8-719-110-17	DIODE	RD10ESB2	2		R9033	1-215-447-00	METAL	12K	1%	1/4W
						R9034	1-215-439-00	METAL	5.6K	1%	1/4W
						R9035	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
	<u>IC</u>					R9036	1-216-049-11	RES-CHIP	1K	5%	1/10W
IC9001	8-759-360-83	IC	TDA6111Q	/N4		R9037	1-240-233-71	METAL OXIDE	100	5%	3W
IC9002	8-759-360-83	IC	TDA6111Q			R9038	1-208-790-11	METAL CHIP	2.2K	0.50%	
IC9003	8-759-360-83	IC	TDA6111Q			R9039	1-208-790-11	METAL CHIP	2.2K	0.50%	
						D0044	1 016 040 11	DEC CUID	41/	E0/	1/10\\\
						R9041	1-216-049-11	RES-CHIP	1K	5% 5%	1/10W
	<u>JACK</u>					R9042	1-216-049-11	RES-CHIP	1K	5%	1/10W
<u> </u>	1-451-544-11	SOCKET, CRT				R9043	1-240-233-71	METAL OXIDE	100	5%	3W
<u> </u>	1 101 011 11	OOOKE1, OKT				R9044 R9047	1-240-233-71 1-219-744-11	METAL OXIDE METAL	100 220	5% 5%	3W 1/2W
						110011	121071111	ME I/IE	220	070	.,2.,
	COIL					R9048	1-216-049-11	RES-CHIP	1K	5%	1/10W
L9002	1-408-591-11	INDUCTOR	1µH			R9049	1-216-049-11	RES-CHIP	1K	5%	1/10W
L9003	1-408-591-11	INDUCTOR	1μH			R9050	1-249-424-11	CARBON	3.9K	5%	1/4W
L9004	1-408-591-11	INDUCTOR	1μH			R9051	1-219-744-11	METAL	220	5%	1/2W
L9005	1-406-666-21	INDUCTOR	150µH			R9052	1-219-744-11	METAL	220	5%	1/2W
L9006	1-412-525-31	INDUCTOR	100μH								
_0000	020 07		٠٠٣٠٠								
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NOTE: Les composants identifies per un trame et une marque  $\triangle$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



1/4W 1/4W

REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES
R9053	1-249-424-11	CARBON	3.9K	5%	1/4W	R1012	1-249-421-11	CARBON	2.2K	5%
R9054	1-249-424-11	CARBON	3.9K	5%	1/4W	R1013	1-249-425-11	CARBON	4.7K	5%
R9056	1-219-743-11	METAL	100	5%	1/2W					
R9057	1-219-510-11	METAL	470K	5%	1/2W					
R9059	1-219-746-11	METAL	1K	5%	1/2W		<u>SWITCH</u>			
R9061	1-219-743-11	METAL	100	5%	1/2W	S1001	1-762-837-11	SWITCH, TACTILE		
R9062	1-260-123-11	CARBON	100K	5%	1/2W	S1002	1-762-837-11	SWITCH, TACTILE		
R9063	1-216-097-11	RES-CHIP	100K	5%	1/10W	S1003	1-692-431-21	SWITCH, TACTILE		
R9065	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	S1004	1-762-837-11	SWITCH, TACTILE		
R9068	1-216-101-00	RES-CHIP	150K	5%	1/10W	S1005	1-692-431-21	SWITCH, TACTILE		
R9070	1-249-411-11	CARBON	330	5%	1/4W	S1006	1-762-837-11	SWITCH, TACTILE		
R9071	1-249-411-11	CARBON	330	5%	1/4W	S1007	1-692-431-21	SWITCH, TACTILE		
R9072	1-216-037-00	RES-CHIP	330	5%	1/10W	S1008	1-762-837-11	SWITCH, TACTILE		
R9073	1-216-049-11	RES-CHIP	1K	5%	1/10W	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>7</b> 1			
R9074	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	VVY	<b>'</b>			
R9077	1-216-073-91	RES-CHIP	10K	5%	1/10W	*	 A-1415-589-A	WY (VAR) BOARD	, MOUNTE	ED
R9089	1-208-806-11	METAL CHIP	10K	0.50%			(KV-30HS420 ON	LY)		
R9091	1-215-429-00	METAL	2.2K	1%	1/4W	*	<b>A-1415-602-A</b> (ALL EXCEPT KV	, ,	, MOUNTE	ED
	VARIABLE RES	ISTOR					4-382-854-01	SCREW (M3X8), P, S	W (+)	

## VARIABLE RESISTOR

RV9001 1-241-714-11 RES, ADJ, METAL FILM 110M



A-1405-292-A HAX BOARD, MOUNTED

## CONNECTOR

CN1001 CN1002	1-764-333-11 1-564-509-11	PIN, CONNECTOR(PCB PLUG, CONNECTOR	s)(V TYPE)	10P 6P	
	RESISTOR				
R1002	1-249-431-11	CARBON	15K	5%	1/4W
R1003	1-249-413-11	CARBON	470	5%	1/4W
R1004	1-249-415-11	CARBON	680	5%	1/4W
R1005	1-249-417-11	CARBON	1K	5%	1/4W
R1006	1-249-421-11	CARBON	2.2K	5%	1/4W
R1007	1-249-425-11	CARBON	4.7K	5%	1/4W
R1008	1-249-431-11	CARBON	15K	5%	1/4W
R1009	1-249-413-11	CARBON	470	5%	1/4W
R1010	1-249-415-11	CARBON	680	5%	1/4W
R1011	1-249-417-11	CARBON	1K	5%	1/4W

## CAPACITOR

C9101	1-104-999-11	MYLAR	0.1µF	5%	200V
C9102	1-130-495-00	MYLAR	0.1µF	5%	50V
	(KV-30HS420 ONL)				
C9104	1-126-933-11	ELECT	100µF	20%	16V
C9105	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
00400	4 404 450 44	OED ANIO OLIID	0.4.5		051/
C9106	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9108	1-107-662-11	ELECT	22µF	20%	350V
C9109	1-161-830-00	CERAMIC	$0.0047 \mu \text{F}$		500V
C9110	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9111	1-126-964-11	ELECT	10µF	20%	50V
C9112	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C9113	1-137-528-11	MYLAR	0.1µF	10%	250V
C9114	1-107-636-11	ELECT	10µF	20%	160V
C9115	1-137-528-11	MYLAR	0.1µF	10%	250V
C9116	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9117	1-117-450-11	MYLAR	0.47µF	10%	250V
C9118	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C9120	1-130-495-00	MYLAR	0.1µF	5%	50V
C9121	1-126-947-11	ELECT	47μF	20%	35V
C9125	1-130-495-00	MYLAR	0.1µF	5%	50V
			r		



REF. NO	. PART NO.	DESCRIPTION	VALUES	3		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C9126	1-126-947-11	ELECT	47µF	20%	35V	Q9110	8-729-045-04	TRANSISTOR	2SC5511		
C9127	1-130-495-00	MYLAR	0.1µF	5%	50V	Q9111	8-729-045-05	TRANSISTOR	2SA2005	;	
C9128	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	Q9121	8-729-422-27	TRANSISTOR	2SD601A	N-Q	
C9129	1-136-177-00	FILM	1μF	5%	50V	Q9122	8-729-422-27	TRANSISTOR	2SD601A		
C9144	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	Q9123	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	(
						Q9124	8-729-424-02	TRANSISTOR	2SB709A		
	CONNECTOR						RESISTOR				
* CN9100	1-564-515-11	PLUG, CONNECTOR		12P			KESISTOR				
* CN9101	1-564-506-11	PLUG, CONNECTOR		3P		R9101	1-216-805-11	METAL CHIP	47	5%	1/10W
* CN9102	1-564-509-11	PLUG, CONNECTOR		6P		R9102	1-260-322-11	CARBON	330	5%	1/2W
* CN9103	1-770-747-11	CONNECTOR, BOARD	TO BOARD	12P		R9103	1-216-819-11	METAL CHIP	680	5%	1/10W
* CN9104	1-564-506-11	PLUG, CONNECTOR		3P		R9104	1-216-820-11	METAL CHIP	820	5%	1/10W
						R9105	1-216-837-11	METAL CHIP	22K	5%	1/10W
* CN9105	1-564-506-11	PLUG, CONNECTOR		3P							
	(KV-30HS420 O					R9106	1-218-715-11	METAL CHIP	9.1K	0.50%	1/10W
	,	,				R9107	1-216-809-11	METAL CHIP	100	5%	1/10W
						R9108	1-216-817-11	METAL CHIP	470	5%	1/10W
	FERRITE BEAD					R9109	1-216-817-11	METAL CHIP	470	5%	1/10W
	I LINNIIL BLAD					R9110	1-216-805-11	METAL CHIP	47	5%	1/10W
FB9100	1-410-397-21	FERRITE	1.1µH					-			
FB9101	1-410-397-21	FERRITE	1.1µH			R9111	1-216-805-11	METAL CHIP	47	5%	1/10W
						R9112	1-249-389-11	CARBON	4.7	5%	1/4W
						R9113	1-249-389-11	CARBON	4.7	5%	1/4W
	<u>IC</u>					R9114	1-249-389-11	CARBON	4.7	5%	1/4W
	<u></u>					R9115	1-249-389-11	CARBON	4.7	5%	1/4W
IC9100	8-759-822-38	IC	LA6510				. =	0/ II (D 0 ) 1		0,0	.,
						R9116	1-249-389-11	CARBON	4.7	5%	1/4W
						R9117	1-249-389-11	CARBON	4.7	5%	1/4W
	<u>COIL</u>					R9118	1-249-389-11	CARBON	4.7	5%	1/4W
L9100	1-412-525-31	INDUCTOR	10µH			R9119	1-249-389-11	CARBON	4.7	5%	1/4W
L9104	1-406-979-11	COIL, CHOKE	220µH			R9120	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
L3104	(KV-30HS420 O		ΖΖΟμιι								
L9105	1-412-536-31	INDUCTOR	82µH			R9121	1-216-848-11	METAL CHIP	180K	5%	1/10W
	(KV-30HS420 O		•			R9122	1-216-847-11	METAL CHIP	150K	5%	1/10W
	,	,				R9123	1-216-848-11	METAL CHIP	180K	5%	1/10W
						R9124	1-216-847-11	METAL CHIP	150K	5%	1/10W
	TRANSISTOR					R9125	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
Q9100	8-729-422-27	TRANSISTOR	2SD601A-	Q		R9126	1-216-805-11	METAL CHIP	47	5%	1/10W
Q9101	8-729-422-27	TRANSISTOR	2SD601A-			R9127	1-216-805-11	METAL CHIP	47	5%	1/10W
Q9102	8-729-424-02	TRANSISTOR	2SB709A-		Χ	R9128	1-215-888-00	METAL OXIDE	220	5%	2W
Q9103	8-729-422-27	TRANSISTOR	2SD601A-		•	R9129	1-216-864-11	SHORT CHIP			
Q9104	8-729-424-02	TRANSISTOR	2SB709A-		Χ		(KV-30HS420 O	NLY)			
Q,V I U⊤	V 120 127 V2		-00100/A	Z.10 1.	•		•	•			
Q9105	8-729-422-27	TRANSISTOR	2SD601A-	Q		R9130	1-218-700-11	METAL CHIP	2.2K		1/10W
Q9106	8-729-424-02	TRANSISTOR	2SB709A-	QRS-T	Χ	R9131	1-218-730-11	METAL CHIP	39K		1/10W
Q9107	8-729-422-27	TRANSISTOR	2SD601A-	Q		R9132	1-218-713-11	METAL CHIP	7.5K		1/10W
	0.700.404.00	TRANSISTOR	2SB709A-	ORS.T	Y	R9133	1-249-391-11	CARBON	6.8	5%	1/4W
Q9108	8-729-424-02	TRANSISTOR	Z0D103A-	QINO-I.	^						



REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
R9135	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	C2823	1-117-681-11	ELECT CHIP	100µF	20%	16V
R9138	1-218-712-11	METAL CHIP	6.8K		1/10W	C2824	1-117-681-11	ELECT CHIP	100µF	20%	16V
R9139	1-218-692-11	METAL CHIP	1K		1/10W	C2825	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
R9140	1-216-864-11	SHORT CHIP		0.0070	., . • • •	C2826	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	(ALL EXCEPT KV					C2827	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	,								- 1		
R9141	1-214-657-11	METAL	1	1%	1/4W	C2828	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
R9142	1-214-657-11	METAL	1	1%	1/4W	C2829	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
R9143	1-216-429-00	METAL OXIDE	270	5%	1W	C2830	1-128-996-11	ELECT CHIP	4.7µF	20%	50V
R9144	1-215-867-00	METAL OXIDE	470	5%	1W	C2831	1-117-681-11	ELECT CHIP	100µF	20%	16V
R9145	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W	C2833	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
R9150	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W	C2834	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
R9187	1-249-389-11	CARBON	4.7	5%	1/4W	C2835	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R9188	1-249-389-11	CARBON	4.7	5%	1/4W	C2836	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R9189	1-249-389-11	CARBON	4.7	5%	1/4W	C2837	1-117-681-11	ELECT CHIP	100µF	20%	16V
R9190	1-249-389-11	CARBON	4.7	5%	1/4W	C2840	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	1										
$ \mathbf{H} \mathbf{Y} $						C2841	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	1					C2842	1-117-681-11	ELECT CHIP	100µF	20%	16V
*	A-1302-940-A	BY BOARD, COM	PLETE			C2843	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C2844	1-117-681-11	ELECT CHIP	100µF	20%	16V
		this board, performi led. If service is req				C2845	1-117-681-11	ELECT CHIP	100µF	20%	16V
•		red repair method.	uneu, com	Jiete DO	alu						
	rovided for refer					C2846	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
•		•				C2847	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	CAPACITOR					C2849	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
	<u>OALAGITOR</u>					C2850	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2801	1-117-681-11	ELECT CHIP	100µF	20%	16V	C2851	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2802	1-164-156-11	CERAMIC CHIP	0.1µF		25V	00004	4 400 450 04	ELECT OUR	47.5	000/	0.01/
C2804	1-162-923-11	CERAMIC CHIP	47pF	5%	50V	C3001	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
C2805	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3002	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
C2806	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C3003	1-128-453-21	ELECT CHIP	47µF	20%	6.3V
						C3005	1-126-204-11	ELECT CHIP	47µF	20%	16V
C2808	1-128-996-11	ELECT CHIP	4.7µF	20%	50V	C3006	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2809	1-117-681-11	ELECT CHIP	100µF	20%	16V	C2000	1 106 004 11	ELECT CLUD	47F	200/	16\/
C2810	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3008	1-126-204-11	ELECT CHIP	47µF	20%	16V
C2811	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2812	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C3011	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C3012	1-164-156-11	CERAMIC CHIP	0.1µF	200/	25V
C2813	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3013	1-128-391-11	ELECT CHIP	330µF	20%	6.3V
C2814	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	00044	4 400 004 44	ELECT OUID	000	000/	0.01/
C2815	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3014	1-128-391-11	ELECT CHIP	330µF	20%	6.3V
C2816	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3015	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2817	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3016	1-164-156-11	CERAMIC CHIP	0.1µF	4007	25V
						C3017	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C2818	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C3018	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2819	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	00040	4 404 450 44	OEDAMIO OLUB	04.5		05)/
C2820	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3019	1-164-156-11	CERAMIC CHIP	0.1µF	4007	25V
C2821	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3020	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2822	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3021	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C3023	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V

C3023

1-125-837-91

CERAMIC CHIP

6.3V

10%

1μF



REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C3024	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V		C3318	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3025	1-164-156-11	CERAMIC CHIP	0.1μF		25V		C3319	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3325	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3027	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3326	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3028	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3329	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
00020		02.00	٠۴.				00020		02.0.000	٠١٣٠	, .	
C3029	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3333	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3030	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3334	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3031	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3335	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3032	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3337	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3033	1-109-982-11	CERAMIC CHIP	1μF	10%	10V		C3341	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3034	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3343	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3035	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3349	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3036	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3350	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3037	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3351	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3038	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3357	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3040	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3358	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3042	1-128-391-11	ELECT CHIP	330µF	20%	6.3V		C3359	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3044	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3360	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3046	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3363	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3047	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3364	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3048	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3365	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3049	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3366	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3089	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3367	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3090	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3368	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3095	1-117-681-11	ELECT CHIP	100µF	20%	16V		C3369	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3096	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3370	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3097	1-117-681-11	ELECT CHIP	100µF	20%	16V		C3371	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3098	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3372	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3101	1-162-925-11	CERAMIC CHIP	68pF	5%	50V		C3374	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3102	1-162-925-11	CERAMIC CHIP	68pF	5%	50V		C3375	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V
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C3103	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3376	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3301	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3377	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3302	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3378	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3303	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3379	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3304	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3401	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00005	4 404 450 44	OFD AND OUR	0.4.5		05)/		00400	4 404 770 00	ELECT OLUB	40.5	000/	4017
C3305	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3402	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3307	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3403	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V
C3308	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V		C3404	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3309	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3405	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3313	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3406	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3314	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3407	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3315	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3408	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3316	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3409	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3317	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3410	1-164-156-11	CERAMIC CHIP	0.1µF		25V
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REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C3411	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3457	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3412	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3458	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3413	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3460	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C3414	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3462	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3415	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3463	1-164-156-11	CERAMIC CHIP	0.1µF		25V
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C3416	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3464	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3417	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3418	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3419	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3467	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3420	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3468	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
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C3421	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3469	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3422	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3470	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3423	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3473	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3424	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3474	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3425	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C3475	1-164-156-11	CERAMIC CHIP	0.1µF	_0,0	25V
00.20	0 00	02.00	V p.			••••		02.00	٠٣.		
C3426	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3476	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3428	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3477	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3429	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3478	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3430	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V	C3479	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3431	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3480	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
00701	1-120-204-11	LLLOT OTHI	-τ/μι	2070	10 V	00700	1-10 <del>1</del> -130-11	OLIVAINIO OTIII	υ. τμι		201
C3432	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3481	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3433	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3482	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3434	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3483	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3435	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3484	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C3436	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3485	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3437	1-126-204-11	ELECT CHIP	47µF	20%	16V	C3486	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3438	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3487	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3439	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3488	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3440	1-162-916-11	CERAMIC CHIP	12pF	5%	50V	C3489	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3441	1-162-916-11	CERAMIC CHIP	12pF	5%	50V	C3490	1-124-779-00	ELECT CHIP	10μF	20%	16V
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C3442	1-124-779-00	ELECT CHIP	10µF	20%	16V	C3491	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3443	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C3492	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3444	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3493	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3445	1-126-204-11	ELECT CHIP	47µF	20%	16V	C3494	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3446	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3495	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3447	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3496	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3448	1-162-970-11	CERAMIC CHIP	0.1μF	10%	25V	C3499	1-162-970-11	CERAMIC CHIP	0.1μF	10%	25V
C3449	1-102-370-11	CERAMIC CHIP	0.01μF	10%	16V	C3500	1-126-206-11	ELECT CHIP	0.01μ1 100μF	20%	6.3V
C3450	1-164-156-11	CERAMIC CHIP	0.1μF	10/0	25V	C3500	1-164-156-11	CERAMIC CHIP	0.1μF	20/0	25V
C3452	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	C3613	1-126-206-11	ELECT CHIP	0.1μΓ 100μF	20%	6.3V
OU <del>1</del> UZ	1-10 <del>1</del> -100 <b>-</b> 11	OLIVAIVIIO OI IIF	ν. ιμΓ		201	00010	1-14 <b>0-</b> 40 <b>0-</b> 11	LLLOI OIIII	τουμι	<b>2</b> U /0	0.0 V
C3453	1-124-779-00	ELECT CHIP	10µF	20%	16V	C3614	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3454	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3615	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3455	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3617	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3456	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3618	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V
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	REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALUES
	C3619	1-126-206-11	ELECT CHIP	100µF	20%	6.3V	IC3003	6-701-892-01	IC	TC90A90F(BH,DRY)
	C3620	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	IC3004	8-759-642-22	IC	UPC29M05T-E2
	C3622	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC3089	6-704-573-01	IC	M24C32-WMN6T(B)
	C3623	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC3090	6-801-376-01	IC	MB94918RpF-G-147-BND
	C3624	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC3091	8-759-352-91	IC	PST9143NL
	C3906	1-126-204-11	ELECT CHIP	47µF	20%	16V	IC3302	6-700-398-01	IC	UPC2918T-E1
	C3912	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	IC3303	8-752-409-78	IC	CXD2095AQ
							IC3306	8-759-669-78	IC	TLC2933IPWR-12
		CONNECTOR					IC3401	6-700-399-01	IC	UPC2925T-E1
*	CN2803	1-564-509-11	PLUG, CONNECTOR		6P		IC3402	6-702-318-01	IC	W986432DH-6
*	CN2805	1-764-334-11	PIN, CONNECTOR(PC	B)(V TYPE)	11P		IC3403	8-759-460-29	IC	PST9120NL
							IC3404	8-759-669-75	IC	TLC2932IPWR
		DIODE					IC3405	8-759-485-79	IC	TC7SET08FU(TE85L)
							IC3406	8-759-485-79	IC	TC7SET08FU(TE85L)
	D2803	8-719-404-50	DIODE	MA111-T			IC3407	8-759-485-79	IC	TC7SET08FU(TE85L)
	D2806	8-719-069-55	DIODE	UDZSTE						,
	D3001	8-719-404-50	DIODE	MA111-T			IC3408	8-759-672-57	IC	CXD9509AQ
	D3002	8-719-083-58	DIODE	UDZSTE	-173.9B		IC3409	8-759-833-72	IC	NJM2870F25-TE2
	D3089	8-719-800-76	DIODE	1SS226			IC3410	8-752-409-20	IC	CXD2309AQ
	<b>D</b> 0000		DIODE	400000			IC3411	8-759-082-57	IC	TC7W04FU
	D3090	8-719-800-76	DIODE	1SS226	,		IC3413	8-759-549-07	IC	SN74LV157APWR
	D3401	8-719-914-43	DIODE	DAN202h						
	D3402	8-719-914-44	DIODE DIODE	DAP202k			IC3414	8-759-548-56	IC	M52055FP
	D3403 D3404	8-719-978-33 8-719-404-50	DIODE	DTZ-TT1 MA111-T			IC3608	8-759-669-75	IC	TLC2932IPWR
								COIL		
		FERRITE BEAD					L2801	1-469-555-21	INDUCTOR	10μH
	FB3001	1-500-451-11	FERRITE	0µH			L2803	1-469-555-21	INDUCTOR	10µH
	FB3002	1-216-864-11	SHORT CHIP				L2804	1-469-555-21	INDUCTOR	10µH
	FB3303	1-216-809-11	METAL CHIP	100	5%	1/10W	L2805	1-469-555-21	INDUCTOR	10µH
	FB3304	1-469-110-21	FERRITE	0µH			L2806	1-469-555-21	INDUCTOR	10μH
	FB3401	1-414-235-22	FERRITE	0µH						. • • • • • • • • • • • • • • • • • • •
	FB3402	1-414-235-22	FERRITE	0µH			L2807	1-469-555-21	INDUCTOR	10µH
	FB3403	1-216-864-11	SHORT CHIP				L2811	1-469-555-21	INDUCTOR	10μΗ
	FB3624	1-216-864-11	SHORT CHIP				L3001	1-216-295-91	SHORT CHIP	·
							L3004	1-412-026-11	INDUCTOR	1μΗ
		<u>FILTER</u>					L3005	1-412-026-11	INDUCTOR	1μΗ
	FL3001	1-234-177-21	FERRITE	0μΗ			L3007	1-469-555-21	INDUCTOR	10µH
	FL3002	1-234-177-21	FERRITE	0µH			L3009	1-469-555-21	INDUCTOR	10µH
	FL3003	1-781-924-21	FILTER, LOW PASS (S	MD)			L3010	1-469-555-21	INDUCTOR	10µH
	FL3301	1-234-558-21	FILTER, LOW PASS				L3011	1-469-555-21	INDUCTOR	10µH
	FL3302	1-234-557-21	FILTER, LOW PASS				L3089	1-414-233-22	FERRITE	0μH
	FL3303	1-234-557-21	FILTER, LOW PASS	MD)						<b>ор</b>
	FL3401	1-781-923-21	FILTER, LOW PASS (S	MD)			L3102	1-469-552-21	INDUCTOR	3.3µH
		ıc					L3304	1-469-555-21	INDUCTOR	10μH
		<u>IC</u>					L3310	1-469-561-21	INDUCTOR	100µH
	IC2801	8-752-102-68	IC	CXA2170	)Q		L3311	1-469-561-21	INDUCTOR	100μH
	IC3002	8-759-583-47	IC	UPC2933			L3402	1-412-052-21	INDUCTOR	1μH



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
L3403	1-469-561-21	INDUCTOR	100µH	Q3306	8-729-424-02	TRANSISTOR	2SB709A	\-QRS-TX	
L3404	1-469-561-21	INDUCTOR	100μH	Q3307	8-729-422-27	TRANSISTOR	2SD601A	N-Q	
L3405	1-469-555-21	INDUCTOR	10μΗ	Q3308	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
L3406	1-469-555-21	INDUCTOR	10μΗ	Q3309	8-729-422-27	TRANSISTOR	2SD601A	\-Q	
L3407	1-469-555-21	INDUCTOR	10µH	Q3310	8-729-424-02	TRANSISTOR	2SB709A		
_0.0.			. • • • • • • • • • • • • • • • • • • •		0 . 20 . 2 . 0 2			. 4	
L3409	1-469-555-21	INDUCTOR	10µH	Q3311	8-729-422-27	TRANSISTOR	2SD601A	\-Q	
L3411	1-412-058-11	INDUCTOR	10µH	Q3401	8-729-422-27	TRANSISTOR	2SD601A	۱-Q	
L3412	1-469-555-21	INDUCTOR	10μΗ	Q3402	8-729-028-28	TRANSISTOR	2SK2036		
L3413	1-469-555-21	INDUCTOR	10μΗ	Q3403	8-729-422-27	TRANSISTOR	2SD601A	, ,	
L3414	1-469-555-21	INDUCTOR	10µH	Q3404	8-729-028-28	TRANSISTOR	2SK2036		
								( )	
L3416	1-469-555-21	INDUCTOR	10μH	Q3405	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
L3418	1-469-555-21	INDUCTOR	10μΗ	Q3406	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
L3903	1-412-052-21	INDUCTOR	1μΗ	Q3407	8-729-422-27	TRANSISTOR	2SD601A	N-Q	
			r	Q3408	8-729-424-02	TRANSISTOR	2SB709A		
	TRANSISTOR			Q3409	8-729-422-27	TRANSISTOR	2SD601A	\-Q	
	TRANSISTOR								
Q2801	8-729-122-63	TRANSISTOR	2SA1226-E4	Q3410	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
Q2802	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q3411	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
Q2803	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q3412	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
Q2804	8-729-422-27	TRANSISTOR	2SD601A-Q	Q3413	8-729-424-02	TRANSISTOR	2SB709A		
Q2805	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q3414	8-729-424-02	TRANSISTOR	2SB709A		
Q2806	8-729-422-27	TRANSISTOR	2SD601A-Q	Q3415	8-729-424-02	TRANSISTOR	2SB709A	-QRS-TX	
Q2807	8-729-422-27	TRANSISTOR	2SD601A-Q	Q3416	8-729-422-27	TRANSISTOR	2SD601A	N-Q	
Q2811	8-729-122-63	TRANSISTOR	2SA1226-E4						
Q2812	8-729-122-63	TRANSISTOR	2SA1226-E4		RESISTOR				
Q2813	8-729-122-63	TRANSISTOR	2SA1226-E4		KEGIOTOK				
				R2801	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
Q2818	8-729-422-27	TRANSISTOR	2SD601A-Q	R2803	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q2819	8-729-422-27	TRANSISTOR	2SD601A-Q	R2804	1-216-805-11	METAL CHIP	47	5%	1/10W
Q2820	8-729-422-27	TRANSISTOR	2SD601A-Q	R2805	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
Q2821	8-729-422-27	TRANSISTOR	2SD601A-Q	R2806	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
Q2822	8-729-422-27	TRANSISTOR	2SD601A-Q						
				R2807	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2823	8-729-422-27	TRANSISTOR	2SD601A-Q	R2808	1-216-834-11	METAL CHIP	12K	5%	1/10W
Q3003	8-729-422-27	TRANSISTOR	2SD601A-Q	R2809	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q3005	8-729-422-27	TRANSISTOR	2SD601A-Q	R2810	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q3006	8-729-422-27	TRANSISTOR	2SD601A-Q	R2811	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3007	8-729-422-27	TRANSISTOR	2SD601A-Q						
				R2812	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
Q3008	8-729-422-27	TRANSISTOR	2SD601A-Q	R2813	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q3009	8-729-422-27	TRANSISTOR	2SD601A-Q	R2815	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q3089	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2816	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q3090	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2817	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3092	8-729-422-27	TRANSISTOR	2SD601A-Q						
				R2818	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3093	8-729-422-27	TRANSISTOR	2SD601A-Q	R2819	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3302	8-729-422-27	TRANSISTOR	2SD601A-Q	R2820	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3303	8-729-422-27	TRANSISTOR	2SD601A-Q	R2821	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3305	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2823	1-216-841-11	METAL CHIP	47K	5%	1/10W
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALI	JES	
R2824	1-216-809-11	METAL CHIP	100	5%	1/10W	R2885	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2825	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2886	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2826	1-218-716-11	METAL CHIP	10K		1/10W	R2887	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2827	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2889	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2828	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R2890	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
112020	1 210 002 11		0.2.1	070	171011	112000	1 210 020 11		LiLit	070	1,1011
R2829	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2891	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2830	1-216-818-11	METAL CHIP	560	5%	1/10W	R2892	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2831	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2893	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2832	1-216-809-11	METAL CHIP	100	5%	1/10W	R2894	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2833	1-216-809-11	METAL CHIP	100	5%	1/10W	R2895	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
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R2834	1-216-809-11	METAL CHIP	100	5%	1/10W	R2896	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2835	1-216-809-11	METAL CHIP	100	5%	1/10W	R2897	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2836	1-216-809-11	METAL CHIP	100	5%	1/10W	R2898	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2837	1-216-809-11	METAL CHIP	100	5%	1/10W	R2899	1-218-724-11	METAL CHIP	22K		1/10W
R2838	1-216-809-11	METAL CHIP	100	5%	1/10W	R2900	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
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R2839	1-216-809-11	METAL CHIP	100	5%	1/10W	R2901	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2840	1-216-809-11	METAL CHIP	100	5%	1/10W	R2902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2841	1-216-809-11	METAL CHIP	100	5%	1/10W	R2907	1-216-807-11	METAL CHIP	68	5%	1/10W
R2842	1-216-809-11	METAL CHIP	100	5%	1/10W	R2908	1-216-807-11	METAL CHIP	68	5%	1/10W
R2843	1-216-809-11	METAL CHIP	100	5%	1/10W	R2909	1-216-807-11	METAL CHIP	68	5%	1/10W
R2844	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R2911	1-216-864-11	SHORT CHIP			
R2845	1-216-809-11	METAL CHIP	100	5%	1/10W	R2913	1-216-864-11	SHORT CHIP			
R2846	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R2919	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R2847	1-216-809-11	METAL CHIP	100	5%	1/10W	R2920	1-216-864-11	SHORT CHIP			
R2848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2921	1-216-864-11	SHORT CHIP			
R2849	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2922	1-216-864-11	SHORT CHIP			
R2850	1-216-809-11	METAL CHIP	100	5%	1/10W	R3002	1-216-864-11	SHORT CHIP			
R2851	1-216-815-11	METAL CHIP	330	5%	1/10W	R3004	1-216-864-11	SHORT CHIP			
R2853	1-216-864-11	SHORT CHIP				R3013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2854	1-216-864-11	SHORT CHIP				R3014	1-216-809-11	METAL CHIP	100	5%	1/10W
R2858	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R3015	1-216-809-11	METAL CHIP	100	5%	1/10W
R2860	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2861	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3020	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2862	1-216-809-11	METAL CHIP	100	5%	1/10W	R3021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2865	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3022	1-216-809-11	METAL CHIP	100	5%	1/10W
R2866	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2867	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2868	1-216-809-11	METAL CHIP	100	5%	1/10W	R3026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2869	1-216-809-11	METAL CHIP	100	5%	1/10W	R3029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2870	1-216-809-11	METAL CHIP	100	5%	1/10W	R3030	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2880	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3031	1-216-809-11	METAL CHIP	100	5%	1/10W
R2881	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3032	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2883	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3033	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2884	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3034	1-216-821-11	METAL CHIP	1K	5%	1/10W
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
R3035	1-216-809-11	METAL CHIP	100	5%	1/10W	R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
R3036	1-216-809-11	METAL CHIP	100	5%	1/10W	R3103	1-216-809-11	METAL CHIP	100	5%	1/10W
R3037	1-216-809-11	METAL CHIP	100	5%	1/10W	R3104	1-216-809-11	METAL CHIP	100	5%	1/10W
R3038	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3105	1-216-809-11	METAL CHIP	100	5%	1/10W
R3039	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3107	1-216-864-11	SHORT CHIP			
R3040	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3108	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3043	1-216-864-11	SHORT CHIP				R3110	1-216-809-11	METAL CHIP	100	5%	1/10W
R3045	1-216-809-11	METAL CHIP	100	5%	1/10W	R3111	1-216-809-11	METAL CHIP	100	5%	1/10W
R3047	1-216-864-11	SHORT CHIP				R3116	1-216-797-11	METAL CHIP	10	5%	1/10W
R3049	1-216-859-11	METAL CHIP	1.5M	5%	1/10W	R3117	1-216-797-11	METAL CHIP	10	5%	1/10W
R3050	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3302	1-216-817-11	METAL CHIP	470	5%	1/10W
R3051	1-216-864-11	SHORT CHIP				R3303	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R3056	1-216-817-11	METAL CHIP	470	5%	1/10W	R3304	1-216-809-11	METAL CHIP	100	5%	1/10W
R3057	1-216-817-11	METAL CHIP	470	5%	1/10W	R3323	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3058	1-216-817-11	METAL CHIP	470	5%	1/10W	R3324	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3059	1-216-809-11	METAL CHIP	100	5%	1/10W	R3325	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3060	1-216-809-11	METAL CHIP	100	5%	1/10W	R3326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3061	1-216-809-11	METAL CHIP	100	5%	1/10W	R3335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3063	1-216-864-11	SHORT CHIP		-,-		R3341	1-216-813-11	METAL CHIP	220	5%	1/10W
R3064	1-216-864-11	SHORT CHIP				R3342	1-218-705-11	METAL CHIP	3.6K		1/10W
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W	R3343	1-216-809-11	METAL CHIP	100	5%	1/10W
R3068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3344	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3069	1-216-820-11	METAL CHIP	820	5%	1/10W	R3345	1-218-704-11	METAL CHIP	3.3K		1/10W
R3070	1-216-864-11	SHORT CHIP	020	070	1,1011	R3346	1-216-809-11	METAL CHIP	100	5%	1/10W
R3071	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3347	1-216-815-11	METAL CHIP	330	5%	1/10W
R3072	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3348	1-216-864-11	SHORT CHIP			
R3073	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3349	1-218-687-11	METAL CHIP	620	0.50%	1/10W
R3074	1-218-704-11	METAL CHIP	3.3K		1/10W	R3350	1-216-814-11	METAL CHIP	270	5%	1/10W
R3075	1-216-801-11	METAL CHIP	22	5%	1/10W	R3351	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3076	1-216-864-11	SHORT CHIP	LL	070	171011	R3352	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3077	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3353	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3078	1-216-815-11	METAL CHIP	330	5%	1/10W	R3354	1-216-813-11	METAL CHIP	220	5%	1/10W
R3079	1-216-815-11	METAL CHIP	330	5%	1/10W	R3355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3089	1-216-864-11	SHORT CHIP	000	370	1/1011	R3357	1-218-676-11	METAL CHIP	220		1/10W
R3091	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3358	1-218-676-11	METAL CHIP	220		1/10W
R3092	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3359	1-218-676-11	METAL CHIP	220	0 50%	1/10W
R3092	1-216-864-11	SHORT CHIP	۷.۷۱	J /U	1/1044	R3360	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3095	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3364	1-216-864-11	SHORT CHIP	0.01	J /0	1/ 1000
R3096	1-216-817-11	METAL CHIP	470	5%	1/10W	R3365	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3097	1-216-845-11	METAL CHIP	100K	5% 5%	1/10W	R3366	1-216-864-11	SHORT CHIP	J.JN	J /0	1/ 1044
R3098	1-216-805-11	METAL CHIP	47	5%	1/10W	R3367	1-216-805-11	METAL CHIP	47	5%	1/10W
R3099	1-216-805-11	METAL CHIP	47	5%	1/10W	R3369	1-216-864-11	SHORT CHIP	71	J /0	1/ 1000
R3100	1-216-809-11	METAL CHIP	100	5% 5%	1/10W	R3370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3100				5% 5%		R3370		METAL CHIP	560		1/10W
KSIUI	1-216-809-11	METAL CHIP	100	3%	1/10W	Koo/T	1-218-686-11	IVIE TAL UNIT	UOC	0.50%	1/1000



REF. NO.	PART NO.	DESCRIPTION	VALU	IES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
R3372	1-216-817-11	METAL CHIP	470	5%	1/10W	R3441	1-216-809-11	METAL CHIP	100	5%	1/10W
R3373	1-216-817-11	METAL CHIP	470	5%	1/10W	R3442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3374	1-216-809-11	METAL CHIP	100	5%	1/10W	R3445	1-216-864-11	SHORT CHIP			
R3375	1-218-686-11	METAL CHIP	560		1/10W	R3446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3376	1-218-710-11	METAL CHIP	5.6K		1/10W	R3447	1-216-819-11	METAL CHIP	680	5%	1/10W
D0077	4 040 047 44	METAL OLUD	470	<b>F</b> 0/	4/40/4/	D0440	4 040 055 44	METAL OLUB	0001/	<b>5</b> 0/	4/40\\\
R3377	1-216-817-11	METAL CHIP	470	5%	1/10W	R3448	1-216-855-11	METAL CHIP	680K	5%	1/10W
R3378	1-216-817-11	METAL CHIP	470	5%	1/10W	R3451	1-216-809-11	METAL CHIP	100	5%	1/10W
R3379	1-216-809-11	METAL CHIP	100	5%	1/10W	R3452	1-216-864-11	SHORT CHIP			
R3380	1-218-686-11	METAL CHIP	560		1/10W	R3454	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3381	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R3457	1-216-813-11	METAL CHIP	220	5%	1/10W
R3382	1-216-864-11	SHORT CHIP				R3460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3383	1-216-817-11	METAL CHIP	470	5%	1/10W	R3461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3384	1-216-864-11	SHORT CHIP				R3464	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3385	1-216-864-11	SHORT CHIP				R3465	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3386	1-216-864-11	SHORT CHIP				R3466	1-216-813-11	METAL CHIP	220	5%	1/10W
D2207	1 016 064 11	SHORT CHIP				D2467	1 016 001 11	METAL CLUD	41/	E0/	1/10///
R3387	1-216-864-11					R3467	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3388	1-216-864-11	SHORT CHIP				R3468	1-216-864-11	SHORT CHIP			
R3389	1-216-864-11	SHORT CHIP				R3469	1-216-864-11	SHORT CHIP	400	F0/	4/40\\
R3390	1-216-864-11	SHORT CHIP				R3470	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
R3391	1-216-864-11	SHORT CHIP				R3471	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3392	1-216-864-11	SHORT CHIP				R3472	1-216-801-11	METAL CHIP	22	5%	1/10W
R3393	1-216-864-11	SHORT CHIP				R3473	1-216-864-11	SHORT CHIP			
R3394	1-216-864-11	SHORT CHIP				R3475	1-216-809-11	METAL CHIP	100	5%	1/10W
R3400	1-216-864-11	SHORT CHIP				R3476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3401	1-216-864-11	SHORT CHIP				R3477	1-216-809-11	METAL CHIP	100	5%	1/10W
R3406	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3478	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3407	1-216-864-11	SHORT CHIP		• 70	.,	R3480	1-216-809-11	METAL CHIP	100	5%	1/10W
R3409	1-216-864-11	SHORT CHIP				R3483	1-216-809-11	METAL CHIP	100	5%	1/10W
R3410	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3484	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3411	1-216-797-11	METAL CHIP	10	5%	1/10W	R3485	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3421	1-216-864-11	SHORT CHIP				R3486	1-216-801-11	METAL CHIP	22	5%	1/10W
R3422	1-216-864-11	SHORT CHIP				R3489	1-216-864-11	SHORT CHIP			
R3423	1-216-813-11	METAL CHIP	220	5%	1/10W	R3490	1-216-864-11	SHORT CHIP			
R3426	1-216-809-11	METAL CHIP	100	5%	1/10W	R3491	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3428	1-469-094-21	FERRITE	0µH			R3492	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3429	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3493	1-216-809-11	METAL CHIP	100	5%	1/10W
R3432	1-216-815-11	METAL CHIP	330	5%	1/10W	R3494	1-216-813-11	METAL CHIP	220	5%	1/10W
R3434	1-216-809-11	METAL CHIP	100	5%	1/10W	R3495	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3435	1-216-809-11	METAL CHIP	100	5%	1/10W	R3496	1-216-801-11	METAL CHIP	22	5%	1/10W
R3436	1-216-809-11	METAL CHIP	100	5%	1/10W	R3497	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
D0 407	4 040 000 44	METAL CLUB	400	F0/	4/4014	D0400	4 040 040 44	METAL OLUB	F00	F0/	4/40141
R3437	1-216-809-11	METAL CHIP	100	5%	1/10W	R3498	1-216-818-11	METAL CHIP	560	5%	1/10W
R3438	1-216-809-11	METAL CHIP	100	5%	1/10W	R3499	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3439	1-216-809-11	METAL CHIP	100	5%	1/10W	R3501	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3440	1-216-809-11	METAL CHIP	100	5%	1/10W	R3502	1-216-821-11	METAL CHIP	1K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALU	IES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
R3503	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3835	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R3504	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3836	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R3505	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3837	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R3506	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3838	1-218-678-11	METAL CHIP	270	0.50%	1/10W
R3507	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3839	1-218-670-11	METAL CHIP	120	0.50%	1/10W
R3508	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3840	1-216-805-11	METAL CHIP	47	5%	1/10W
R3509	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3841	1-218-670-11	METAL CHIP	120		1/10W
R3510	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3842	1-218-689-11	METAL CHIP	750		1/10W
R3511	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3846	1-216-801-11	METAL CHIP	22	5%	1/10W
R3512	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3847	1-216-801-11	METAL CHIP	22	5%	1/10W
R3533	1-216-809-11	METAL CHIP	100	5%	1/10W	R3848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3535	1-216-809-11	METAL CHIP	100	5%	1/10W	R3849	1-218-675-11	METAL CHIP	200		1/10W
R3536	1-216-864-11	SHORT CHIP	100	370	1/1044	R3850	1-218-675-11	METAL CHIP	200		1/10W
R3537	1-216-864-11	SHORT CHIP				R3851	1-216-809-11	METAL CHIP	100	5%	1/10W
R3800	1-216-864-11	SHORT CHIP				R3852	1-218-675-11	METAL CHIP	200		1/10W
Doooo	4 040 070 44	METAL OLUD	070	0.500/	4/40\\\	DOOF4	4 040 005 44	METAL OLUB	0.017	<b>F</b> 0/	4/40\\
R3802	1-218-678-11	METAL CHIP	270		1/10W	R3854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3803	1-218-678-11	METAL CHIP	270		1/10W	R3857	1-216-809-11	METAL CHIP	100	5%	1/10W
R3804	1-218-678-11	METAL CHIP	270		1/10W	R3858	1-218-704-11	METAL CHIP	3.3K		1/10W
R3805	1-218-678-11	METAL CHIP	270		1/10W	R3862	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3807	1-218-670-11	METAL CHIP	120	0.50%	1/10W	R3863	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R3808	1-218-670-11	METAL CHIP	120		1/10W	R3864	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3809	1-218-670-11	METAL CHIP	120		1/10W	R3865	1-216-809-11	METAL CHIP	100	5%	1/10W
R3810	1-218-670-11	METAL CHIP	120		1/10W	R3866	1-414-234-22	FERRITE	0µH		
R3811	1-216-809-11	METAL CHIP	100	5%	1/10W	R3867	1-414-234-22	FERRITE	0µH		
R3812	1-216-809-11	METAL CHIP	100	5%	1/10W	R3868	1-414-234-22	FERRITE	0µH		
R3813	1-216-809-11	METAL CHIP	100	5%	1/10W	R3881	1-216-807-11	METAL CHIP	68	5%	1/10W
R3814	1-218-644-11	METAL CHIP	10	0.50%	1/10W	R3882	1-216-807-11	METAL CHIP	68	5%	1/10W
R3815	1-218-648-11	METAL CHIP	15	0.50%	1/10W	R3883	1-216-807-11	METAL CHIP	68	5%	1/10W
R3816	1-218-652-11	METAL CHIP	22	0.50%	1/10W	R3911	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3817	1-218-652-11	METAL CHIP	22	0.50%	1/10W	R3933	1-216-864-11	SHORT CHIP			
R3820	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3937	1-216-809-11	METAL CHIP	100	5%	1/10W
R3821	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3953	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3822	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3954	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3823	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3955	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3824	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3956	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3825	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3957	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3826	1-216-809-11	METAL CHIP	100	5%	1/10W	R3958	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3828	1-218-682-11	METAL CHIP	390		1/10W	R3975	1-216-864-11	SHORT CHIP		0,0	.,
R3829	1-218-682-11	METAL CHIP	390		1/10W	R3976	1-216-864-11	SHORT CHIP			
R3830	1-218-682-11	METAL CHIP	390		1/10W	R3977	1-216-864-11	SHORT CHIP			
R3831	1-216-864-11	SHORT CHIP				R3978	1-216-864-11	SHORT CHIP			
R3832	1-216-864-11	SHORT CHIP				R3979	1-216-864-11	SHORT CHIP			
R3833	1-216-864-11	SHORT CHIP				R3980	1-216-864-11	SHORT CHIP			
R3834	1-218-678-11	METAL CHIP	270	0.50%	1/10W	R3981	1-216-864-11	SHORT CHIP			
		ME1//E 0/ III			.,	1	00111	55.ti 0.iii			137



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	. PART NO.	DESCRIPTION	VALU	IES	
R3982	1-216-864-11	SHORT CHIP				CRYSTAL				
R3983	1-216-864-11	SHORT CHIP						•		
R3984	1-218-644-11	METAL CHIP	10 0.50%	6 1/10W	X2801	1-760-895-21	VIBRATOR, CERAMIO			
R3985	1-218-644-11	METAL CHIP	10 0.50%	6 1/10W	X3089	1-781-945-21	VIBRATOR, CERAMIO			
R3986	1-218-644-11	METAL CHIP	10 0.50%	6 1/10W	X3401	1-781-887-21	VIBRATOR, CRYSTA	-		
					N // /	7				
	RESISTOR BRID	<u>OGE</u>			IVI Y					
RB3001	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		*	A-1302-937-A	MY BOARD, COM	DI ETE		
RB3002	1-239-409-11	NETWORK RESISTO	R(CHIP) 47			A-1302-331-A	WIT BOARD, COM	FLETE		
RB3003	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		Due to th	ne complexity of	this board, performi	na compor	nent lev	el field
RB3004	1-239-409-11	NETWORK RESISTO	R(CHIP) 47				ded. If service is req			
RB3011	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		replacem		rred repair method.	, ,	•	
RB3013	1-239-409-11	NETWORK RESISTO	R(CHIP) 47				•			
RB3014	1-239-409-11	NETWORK RESISTO	R(CHIP) 47			CAPACITOR				
RB3015	1-239-409-11	NETWORK RESISTO	R(CHIP) 47							
RB3304	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2017	1-126-964-11	ELECT	10μF	20%	50V
RB3305	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2019	1-126-964-11	ELECT	10µF	20%	50V
					C2020	1-126-964-11	ELECT	10μF	20%	50V
RB3306	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2022	1-126-964-11	ELECT	10μF	20%	50V
RB3307	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2027	1-126-964-11	ELECT	10μF	20%	50V
RB3401	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)							
RB3402	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)		C2029	1-126-964-11	ELECT	10μF	20%	50V
RB3403	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)		C2038	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
					C2039	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3404	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)		C2040	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
RB3405	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)		C2041	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3406	1-234-524-21	RES, CHIP NETWOR	K 33 (3216)							
RB3407	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		C2042	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3408	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		C2043	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
					C2044	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
RB3409	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		C2045	1-126-933-11	ELECT	100µF	20%	16V
RB3410	1-239-409-11	NETWORK RESISTO	' '		C2046	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3411	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		00050		0504440 0140	0.4.5		0=1/
RB3412	1-239-409-11	NETWORK RESISTO	R(CHIP) 47		C2050	1-164-156-11	CERAMIC CHIP	0.1µF		25V
RB3421	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2058	1-126-963-11	ELECT	4.7µF	20%	50V
					C2059	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3422	1-233-576-11	RES, CHIP NETWOR	, ,		C2060	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3423	1-233-576-11	RES, CHIP NETWOR	, ,		C2061	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3424	1-233-576-11	RES, CHIP NETWOR	, ,		00000	4 404 450 44	OED ANIO OLIID	0.4.5		051/
RB3425	1-233-576-11	RES, CHIP NETWOR	, ,		C2062	1-164-156-11	CERAMIC CHIP	0.1µF	400/	25V
RB3426	1-233-576-11	RES, CHIP NETWOR	K 100 (3216)		C2064	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
					C2065	1-126-933-11	ELECT	100µF	20%	16V
RB3427	1-233-576-11	RES, CHIP NETWOR	, ,		C2066	1-164-156-11	CERAMIC CHIP	0.1µF	400/	25V
RB3428	1-233-576-11	RES, CHIP NETWOR	, ,		C2067	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
RB3436	1-234-523-21	RES, CHIP NETWOR	. ,		00000	4 407 600 44	OFDAMIC CUID	0.4.5	4007	40) (
RB3437	1-234-523-21	RES, CHIP NETWOR			C2069	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB3438	1-234-523-21	RES, CHIP NETWOR			C2071	1-126-963-11	ELECT	4.7µF	20%	50V
RB3439	1-234-523-21	RES, CHIP NETWOR	K 0 (3216)		C2072	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
					C2075	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
					C2077	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V



REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
C2082	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2218	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2085	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2219	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2088	1-216-864-11	SHORT CHIP				C2220	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2089	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2221	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2090	1-216-864-11	SHORT CHIP	٠٠٠٠		-0.	C2222	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
02000	1210 001 11	GHORT GHIII				02222	1 102 011 11	0210 111110 01111	ТОРТ	070	001
C2091	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C2223	1-165-908-11	CERAMIC CHIP	1µF	10%	10V
C2096	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2224	1-115-156-11	CERAMIC CHIP	1μF		10V
C2097	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2225	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2098	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C2226	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2099	1-125-837-91	CERAMIC CHIP	ι 1μF	10%	6.3V	C2227	1-126-933-11	ELECT	100µF	20%	16V
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C2100	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2228	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C2103	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C2229	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
C2106	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2230	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2107	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2231	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2108	1-126-933-11	ELECT	100µF	20%	16V	C2232	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2109	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V	C2233	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2110	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C2234	1-126-933-11	ELECT	100µF	20%	16V
C2115	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2235	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2116	1-126-933-11	ELECT	100µF	20%	16V	C2236	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2117	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2237	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2122	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C2238	1-126-933-11	ELECT	100µF	20%	16V
C2123	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C2239	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
C2124	1-164-156-11	CERAMIC CHIP	0.1µF	1070	25V	C2240	1-126-933-11	ELECT	100μF	20%	16V
C2124	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2241	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2130	1-126-933-11	ELECT	0.1μ1 100μF	20%	16V	C2242	1-126-934-11	ELECT	220µF	20%	16V
02100	1-120-333-11	LLLOT	ιοομι	2070	101	02242	1-120-304-11	LLLOT	220μ1	2070	101
C2131	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2243	1-126-934-11	ELECT	220µF	20%	16V
C2132	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2244	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2200	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2245	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2201	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2246	1-126-947-11	ELECT	47μF	20%	35V
C2202	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2247	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2204	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2248	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2205	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2249	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C2206	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2250	1-164-360-11	CERAMIC CHIP	0.1µF		16V
C2207	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2251	1-164-392-11	CERAMIC CHIP	390pF	5%	50V
C2208	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2300	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
00000	4 404 450 44	CEDAMIC CLUD	0.4		051/	00004	4 400 000 44	FLECT	400F	200/	40\/
C2209	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2301	1-126-933-11	ELECT	100µF	20%	16V
C2210	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2302	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2211	1-164-156-11	CERAMIC CHIP	0.1µF	0007	25V	C2305	1-164-156-11	CERAMIC CHIP	0.1µF	<b>F</b> 0/	25V
C2212	1-126-933-11	ELECT	100μF	20%	16V	C2306	1-162-920-11	CERAMIC CHIP	27pF	5%	50V
C2213	1-126-947-11	ELECT	47µF	20%	35V	C2307	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2214	1-126-933-11	ELECT	100μF	20%	16V	C2308	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2215	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2309	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2216	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2310	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2217	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2311	1-164-156-11	CERAMIC CHIP	0.1µF		25V
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REF. NO.	PART NO.	DESCRIPTION	VALUES	5		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
C2312	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V	C2524	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2313	1-115-156-11	CERAMIC CHIP	1µF		10V	C2525	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2315	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2527	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2317	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2528	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2318	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2530	1-126-947-11	ELECT	47µF	20%	35V
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C2319	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2532	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2349	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V	C2533	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C2352	1-126-933-11	ELECT	100µF	20%	16V	C2534	1-126-947-11	ELECT	47μF	20%	35V
C2353	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2535	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2354	1-162-907-11	CERAMIC CHIP	2pF	0.25pF	50V	C2536	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2355	1-164-245-11	CERAMIC CHIP	0.015µF	10%	25V	C2538	1-126-947-11	ELECT	47µF	20%	35V
C2358	1-104-655-91	ELECT	470µF	20%	6.3V	C2539	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2359	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2540	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2361	1-126-933-11	ELECT	100µF	20%	16V	C2541	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2362	1-126-933-11	ELECT	100µF	20%	16V	C2542	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2364	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2543	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2366	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2544	1-126-963-11	ELECT	4.7µF	20%	50V
C2369	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C2545	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2370	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2546	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2371	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C2548	1-126-947-11	ELECT	47µF	20%	35V
C2372	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2549	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2373	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V	C2550	1-126-963-11	ELECT	4.7µF	20%	50V
C2374	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2551	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2375	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V	C2553	1-126-947-11	ELECT	47µF	20%	35V
C2376	1-162-963-11	CERAMIC CHIP	680pF	10%	50V	C2554	1-126-947-11	ELECT	47µF	20%	35V
		0=5.4440.0445									
C2500	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C2558	1-126-963-11	ELECT	4.7µF	20%	50V
C2501	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C2559	1-126-933-11	ELECT	100µF	20%	16V
C2503	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2560	1-126-947-11	ELECT	47µF	20%	35V
C2504	1-126-933-11	ELECT	100µF	20%	16V	C2561	1-126-963-11	ELECT	4.7µF	20%	50V
C2506	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2563	1-126-961-11	ELECT	2.2µF	20%	50V
00500	4 400 000 44	FLEOT	400 F	000/	40)/	00504	4 400 004 44	FLEOT	00 5	000/	501/
C2508	1-126-933-11	ELECT	100µF	20%	16V	C2564	1-126-961-11	ELECT	2.2µF	20%	50V
C2510	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2565	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2512	1-135-834-91	CERAMIC CHIP	2.2µF	400/	6.3V	C2566	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2513	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C2569	1-126-961-11	ELECT	2.2µF	20%	50V
C2514	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2570	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
00545	4 407 000 44	CEDAMIC CLUD	0.4	4.00/	40\/	00574	4 404 450 44	CEDAMIC CLUD	0.4		25/
C2515	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2571	1-164-156-11	CERAMIC CHIP	0.1µF	200/	25V
C2516	1-126-933-11	ELECT CERAMIC CHIR	100µF	20%	16V	C2572	1-126-960-11	ELECT CERAMIC CHIP	1µF	20%	50V
C2517	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C2574	1-162-966-11		0.0022µF	10%	50V
C2518	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C2575	1-126-960-11	ELECT CERAMIC CHIR	1μF	20%	50V
C2519	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2579	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2520	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2582	1-126-933-11	ELECT	100µF	20%	16V
C2521	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2584	1-126-933-11	ELECT	100µF	20%	16V
C2522	1-126-947-11	ELECT	47µF	20%	35V	C2585	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C2523	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2586	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
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_	REF. NO.	PART NO.	DESCRIPTION	VALUES	<u>.                                    </u>	REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
	C2587	1-135-834-91	CERAMIC CHIP	2.2µF	6.3V		<u>FILTER</u>				
	C2588	1-162-964-11	CERAMIC CHIP	0.001µF 10%	50V	FL2201	1-239-848-21	FILTER, LOW PASS			
						FL2201	1-239-848-21	FILTER, LOW PASS			
		<b>CONNECTOR</b>				FL2202 FL2203	1-239-848-21	FILTER, LOW PASS			
	ONIOOOO	4 704 050 04	CONNECTOR	o.D.		FL2204	1-239-848-21	FILTER, LOW PASS			
	CN2003	1-784-650-21	CONNECTOR	2P		FL2205	1-409-755-11	FERRITE	0μΗ		
	CN2004	1-785-946-21	CONNECTOR	3P		1 L2200	1-403-730-11	TEIMITE	υμιι		
*	CN2006	1-793-174-11	SOCKET,PC CONNECT	,		FL2206	1-409-755-11	FERRITE	0μΗ		
*	CN2301	1-764-333-11	PIN, CONNECTOR (PCE			FL2207	1-409-755-11	FERRITE	0μH		
	CN2304	1-564-595-11	PLUG, CONNECTOR	14P		1 LZZ01	1-403-730-11	TEIMITE	υμιι		
	CN2305	1-770-721-11	CONNECTOR, BOARD	TO BOARD 4P			<u>IC</u>				
		DIODE				100004		10	CV 40400	240	
						IC2004	8-752-102-21	IC	CXA2103		
	D2310	8-719-083-57	DIODE	UDZSTE-173.6B		IC2006	8-752-108-35	IC	CXA2171		n
	D2500	8-719-404-50	DIODE	MA111-TX		IC2010	8-759-549-07	IC	SN74LV1		
	D2501	8-719-404-50	DIODE	MA111-TX		IC2200	6-700-960-01	IC	UPD6408		A
	D2502	8-719-404-50	DIODE	MA111-TX		IC2201	6-700-399-01	IC	UPC292	01-E1	
	D2503	8-719-404-50	DIODE	MA111-TX		IC2300	6-804-283-01	IC	M306V7N	MC 070E	חוום:
						IC2300	6-801-375-01	IC	PST9129		F00
	D2504	8-719-404-50	DIODE	MA111-TX		IC2301	6-704-573-01	IC	M24C32-		/D)
	D2505	8-719-978-33	DIODE	DTZ-TT11-6.8B		IC2302		IC	NJM2391		. ,
	D2506	8-719-978-33	DIODE	DTZ-TT11-6.8B		IC2505	8-759-641-26 8-759-394-57	IC	PST5930		,
	D2507	8-719-404-50	DIODE	MA111-TX		102300	0-138-384-31	Ю	F313330	-4 TIVIIVIF-4	·F
		FERRITE BEAD				IC2501	6-801-750-01	IC	TC94A04	1F-014	
						IC2502	8-759-331-71	IC	NJM4558	BE(TE2)	
	FB2200	1-414-229-11	FERRITE	0μΗ							
	FB2501	1-216-864-11	SHORT CHIP				<u>COIL</u>				
	FB2503	1-216-864-11	SHORT CHIP			10005	4 400 555 04	INDUCTOR	40.11		
	FB2504	1-216-864-11	SHORT CHIP			L2005	1-469-555-21	INDUCTOR	10µH		
	FB2505	1-414-229-11	FERRITE	0μΗ		L2007	1-469-555-21	INDUCTOR	10µH		
						L2009	1-469-555-21	INDUCTOR	10µH		
	FB2507	1-414-229-11	FERRITE	0μΗ		L2011	1-469-555-21	INDUCTOR	10µH		
	FB2508	1-414-229-11	FERRITE	0μΗ		L2012	1-469-555-21	INDUCTOR	10µH		
	FB2509	1-216-864-11	SHORT CHIP			1.2042	1 460 EEE 01	INDLICTOR	10LI		
	FB2510	1-414-229-11	FERRITE	0μΗ		L2013	1-469-555-21	INDUCTOR	10µH		
	FB2511	1-216-864-11	SHORT CHIP			L2200 L2201	1-469-555-21	INDUCTOR	10µH		
							1-469-555-21	INDUCTOR	10µH		
	FB2512	1-414-229-11	FERRITE	0μΗ		L2202	1-469-555-21	INDUCTOR BES CHIB	10μH	E0/	4/40\\
	FB2513	1-216-864-11	SHORT CHIP			L2203	1-216-001-00	RES-CHIP	10	5%	1/10W
	FB2514	1-216-864-11	SHORT CHIP			1 2204	1 460 EEE 01	INDLICTOR	10LI		
	FB2515	1-414-229-11	FERRITE	0μΗ		L2204	1-469-555-21	INDUCTOR	10μH	<b>F</b> 0/	4/40\4/
	FB2516	1-414-229-11	FERRITE	0μΗ		L2205	1-216-001-00	RES-CHIP	10	5%	1/10W
						L2206	1-469-555-21	INDUCTOR	10µH		
	FB2517	1-414-229-11	FERRITE	0μΗ		L2207	1-469-553-21	INDUCTOR	4.7µH		
	FB2518	1-414-229-11	FERRITE	0μΗ		L2501	1-412-537-31	INDUCTOR	100µH		
	FB2519	1-414-229-11	FERRITE	0μΗ		L2502	1-216-295-91	SHORT CHIP			
	FB2520	1-216-864-11	SHORT CHIP								
	FB2521	1-216-864-11	SHORT CHIP								
	FB2522	1-414-229-11	FERRITE	0μH							



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
	<b>TRANSISTOR</b>			Q2510	8-729-422-27	TRANSISTOR	2SD601	A-Q	
00000	0.700.400.07	TDANCICTOD	00000440	Q2511	8-729-422-27	TRANSISTOR	2SD601	A-Q	
Q2009	8-729-422-27	TRANSISTOR	2SD601A-Q	Q2512	8-729-422-27	TRANSISTOR	2SD601	A-Q	
Q2013	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q2513	8-729-422-27	TRANSISTOR	2SD601	A-Q	
Q2016	8-729-422-27	TRANSISTOR	2SD601A-Q						
Q2200	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		RESISTOR				
Q2201	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX						
00000	0.700.400.07	TRANSISTOR	0000044.0	R2036	1-216-837-11	METAL CHIP	22K	5%	1/10W
Q2202	8-729-422-27	TRANSISTOR	2SD601A-Q	R2037	1-216-864-11	SHORT CHIP			
Q2203	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2038	1-216-864-11	SHORT CHIP			
Q2204	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2039	1-216-864-11	SHORT CHIP			
Q2205	8-729-422-27	TRANSISTOR	2SD601A-Q	R2041	1-216-837-11	METAL CHIP	22K	5%	1/10W
Q2206	8-729-422-27	TRANSISTOR	2SD601A-Q			01100=01110			
Q2207	8-729-422-27	TRANSISTOR	2SD601A-Q	R2042	1-216-864-11	SHORT CHIP			
Q2207 Q2208	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q	R2043	1-216-864-11	SHORT CHIP			
Q2200 Q2209	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q	R2044	1-216-864-11	SHORT CHIP	4.514	=0/	4/4014/
Q2209 Q2210	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q	R2052	1-216-835-11	METAL CHIP	15K	5%	1/10W
Q2210 Q2211	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q	R2053	1-216-864-11	SHORT CHIP			
QZZII	0-123-422-21	TRANSISTOR	20001A-Q	Doore	4 040 000 44	METAL CLUD	401/	<b>F</b> 0/	4/40/4/
Q2212	8-729-422-27	TRANSISTOR	2SD601A-Q	R2055	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W 1/10W
Q2213	8-729-422-27	TRANSISTOR	2SD601A-Q	R2056	1-216-809-11	METAL CHIP	100 100	5%	1/10W
Q2214	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2057 R2061	1-216-809-11 1-216-828-11	METAL CHIP METAL CHIP	3.9K	5% 5%	1/10W
Q2215	8-729-422-27	TRANSISTOR	2SD601A-Q	R2067	1-216-809-11	METAL CHIP	3.9K 100	5% 5%	1/10W
Q2216	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	K2007	1-210-009-11	WE TAL CHIP	100	3%	1/1000
~	0 . 20 . 2 . 0 2		202.007. 4.10 77.	R2069	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2301	8-729-422-27	TRANSISTOR	2SD601A-Q	R2074	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q2303	8-729-422-27	TRANSISTOR	2SD601A-Q	R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2304	8-729-422-27	TRANSISTOR	2SD601A-Q	R2078	1-216-864-11	SHORT CHIP	100	370	1/1044
Q2312	8-729-422-27	TRANSISTOR	2SD601A-Q	R2079	1-216-864-11	SHORT CHIP			
Q2313	8-729-422-27	TRANSISTOR	2SD601A-Q	I NZOTO	1 210 001 11	OHORT OHII			
				R2081	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2314	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2315	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2083	1-216-851-11	METAL CHIP	330K	5%	1/10W
Q2316	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2094	1-218-716-11	METAL CHIP	10K		1/10W
Q2320	8-729-422-27	TRANSISTOR	2SD601A-Q	R2095	1-216-864-11	SHORT CHIP		0.0070	.,
Q2321	8-729-422-27	TRANSISTOR	2SD601A-Q						
				R2097	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2322	8-729-422-27	TRANSISTOR	2SD601A-Q	R2101	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q2324	8-729-422-27	TRANSISTOR	2SD601A-Q	R2102	1-216-864-11	SHORT CHIP			
Q2500	8-729-422-27	TRANSISTOR	2SD601A-Q	R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2501	8-729-422-27	TRANSISTOR	2SD601A-Q	R2104	1-216-864-11	SHORT CHIP			
Q2502	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX						
				R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2503	8-729-422-27	TRANSISTOR	2SD601A-Q	R2114	1-216-805-11	METAL CHIP	47	5%	1/10W
Q2504	8-729-422-27	TRANSISTOR	2SD601A-Q	R2115	1-216-805-11	METAL CHIP	47	5%	1/10W
Q2505	8-729-422-27	TRANSISTOR	2SD601A-Q	R2116	1-216-805-11	METAL CHIP	47	5%	1/10W
Q2506	8-729-422-27	TRANSISTOR	2SD601A-Q	R2117	1-216-864-11	SHORT CHIP			
Q2507	8-729-422-27	TRANSISTOR	2SD601A-Q						
				R2118	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2508	8-729-422-27	TRANSISTOR	2SD601A-Q	R2119	1-216-809-11	METAL CHIP	100	5%	1/10W
Q2509	8-729-422-27	TRANSISTOR	2SD601A-Q	R2126	1-216-809-11	METAL CHIP	100	5%	1/10W
				•					



REF. NO.	PART NO.	DESCRIPTION	VALU	IES		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R2127	1-216-864-11	SHORT CHIP				R2228	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2128	1-216-864-11	SHORT CHIP				R2229	1-216-849-11	METAL CHIP	220K	5%	1/10W
R2130	1-216-864-11	SHORT CHIP				R2230	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2131	1-216-809-11	METAL CHIP	100	5%	1/10W	R2231	1-216-819-11	METAL CHIP	680	5%	1/10W
R2133	1-218-665-11	METAL CHIP	75		1/10W	R2232	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2134	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R2233	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2135	1-216-864-11	SHORT CHIP				R2234	1-216-820-11	METAL CHIP	820	5%	1/10W
R2137	1-216-864-11	SHORT CHIP				R2235	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2138	1-216-864-11	SHORT CHIP				R2236	1-216-813-11	METAL CHIP	220	5%	1/10W
R2139	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R2237	1-216-820-11	METAL CHIP	820	5%	1/10W
R2140	1-216-864-11	SHORT CHIP				R2238	1-216-819-11	METAL CHIP	680	5%	1/10W
R2141	1-216-864-11	SHORT CHIP				R2239	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2142	1-216-864-11	SHORT CHIP				R2240	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2143	1-216-864-11	SHORT CHIP				R2241	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2144	1-216-864-11	SHORT CHIP				R2242	1-218-680-11	METAL CHIP	330		1/10W
								-			
R2145	1-216-864-11	SHORT CHIP				R2243	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2146	1-216-864-11	SHORT CHIP				R2244	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2201	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2245	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W	R2246	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W	R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2204	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2248	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2205	1-216-864-11	SHORT CHIP	111	070	171011	R2249	1-216-805-11	METAL CHIP	47	5%	1/10W
R2206	1-216-864-11	SHORT CHIP				R2250	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W	R2251	1-216-818-11	METAL CHIP	560	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W	R2252	1-216-821-11	METAL CHIP	1K	5%	1/10W
112200	1 210 000 11	INE I TE OTH	100	070	1, 1011	TALLOL	1210 021 11			070	171011
R2209	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2253	1-216-809-11	METAL CHIP	100	5%	1/10W
R2210	1-216-818-11	METAL CHIP	560	5%	1/10W	R2254	1-216-817-11	METAL CHIP	470	5%	1/10W
R2211	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2255	1-216-817-11	METAL CHIP	470	5%	1/10W
R2212	1-216-818-11	METAL CHIP	560	5%	1/10W	R2256	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2257	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2214	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2298	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2215	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R2299	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2216	1-216-817-11	METAL CHIP	470	5%	1/10W	R2300	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2217	1-216-817-11	METAL CHIP	470	5%	1/10W	R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2217 R2218	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
N2210	1-210-030-11	WE TAL CITIF	3.01	J /0	1/1000	NZJUZ	1-210-009-11	WETAL CHIP	100	3 /0	1/1044
R2219	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2220	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2304	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2221	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2305	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2223	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2307	1-216-809-11	METAL CHIP	100	5%	1/10W
R2224	1-216-809-11	METAL CHIP	100	5%	1/10W	R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2224 R2225	1-216-818-11	METAL CHIP	560	5%	1/10W	R2311	1-216-809-11	METAL CHIP	100	5%	1/10W
R2225 R2226	1-216-817-11	METAL CHIP	470	5% 5%	1/10W	R2312	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
R2227	1-216-816-11	METAL CHIP	390	5% 5%	1/10W	R2312	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
rzzz1	1-210-010-11	INIE IAL CHIP	390	370	I/ IUVV	I KZJIJ	1-210-009-11	INIE IAL CHIP	100	J 70	1/1044



REF. NO.	PART NO.	DESCRIPTION	VALU	JES		REF. NO.	PART NO.	DESCRIPTION	VAL	UES	
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W	R2365	1-216-809-11	METAL CHIP	100	5%	1/10W
R2315	1-216-809-11	METAL CHIP	100	5%	1/10W	R2366	1-216-864-11	SHORT CHIP			
R2316	1-216-809-11	METAL CHIP	100	5%	1/10W	R2367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2317	1-216-809-11	METAL CHIP	100	5%	1/10W	R2368	1-216-809-11	METAL CHIP	100	5%	1/10W
R2318	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2369	1-216-805-11	METAL CHIP	47	5%	1/10W
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W	R2370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2321	1-216-809-11	METAL CHIP	100	5%	1/10W	R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2322	1-216-809-11	METAL CHIP	100	5%	1/10W	R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2324	1-216-809-11	METAL CHIP	100	5%	1/10W	R2374	1-216-864-11	SHORT CHIP			
R2325	1-216-864-11	SHORT CHIP				R2375	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2326	1-216-809-11	METAL CHIP	100	5%	1/10W	R2376	1-216-805-11	METAL CHIP	47	5%	1/10W
R2327	1-216-809-11	METAL CHIP	100	5%	1/10W	R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2328	1-216-809-11	METAL CHIP	100	5%	1/10W	R2378	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2329	1-216-815-11	METAL CHIP	330	5%	1/10W	R2379	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2330	1-216-817-11	METAL CHIP	470	5%	1/10W	R2380	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-216-809-11	METAL CHIP	100	5%	1/10W	R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2335	1-216-820-11	METAL CHIP	820	5%	1/10W	R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2336	1-216-809-11	METAL CHIP	100	5%	1/10W	R2388	1-216-815-11	METAL CHIP	330	5%	1/10W
R2337	1-216-809-11	METAL CHIP	100	5%	1/10W	R2389	1-216-815-11	METAL CHIP	330	5%	1/10W
R2338	1-216-864-11	SHORT CHIP				R2390	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2339	1-216-809-11	METAL CHIP	100	5%	1/10W	R2450	1-216-864-11	SHORT CHIP	7/11	J /0	1/1000
R2339	1-216-809-11	METAL CHIP	100	5% 5%	1/10W	R2450 R2452	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2342	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2452 R2453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2343	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W	R2455	1-216-833-11	METAL CHIP	10K	5%	1/10W
B0044		145TAL OLUB	4014	=0/	4/4014/	B0450		145741 01115	417	=0/	4/40044
R2344	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W	R2460	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-218-734-11	METAL CHIP	56K		1/10W	R2464	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2347	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2466	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2348	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2467	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2350	1-216-809-11	METAL CHIP	100	5%	1/10W	R2469	1-216-809-11	METAL CHIP	100	5%	1/10W
R2351	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2352	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2480	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2353	1-216-809-11	METAL CHIP	100	5%	1/10W	R2481	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2354	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2483	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W	R2484	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2357	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2485	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2358	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2486	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2359	1-216-805-11	METAL CHIP	47	5%	1/10W	R2487	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2360	1-216-809-11	METAL CHIP	100	5%	1/10W	R2488	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2361	1-216-864-11	SHORT CHIP				R2489	1-216-817-11	METAL CHIP	470	5%	1/10W
R2362	1-216-805-11	METAL CHIP	47	5%	1/10W	R2490	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2363	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2493	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2364	1-216-809-11	METAL CHIP	100	5%	1/10W	R2494	1-216-821-11	METAL CHIP	1K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALU	IES		REF. NO.	PART NO.	DESCRIPTION	VAL	JES	
R2500	1-216-809-11	METAL CHIP	100	5%	1/10W	R2551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2501	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2552	1-216-809-11	METAL CHIP	100	5%	1/10W
R2502	1-216-864-11	SHORT CHIP				R2553	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2503	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2554	1-216-809-11	METAL CHIP	100	5%	1/10W
R2506	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2555	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2508	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2556	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2510	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2511	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2559	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2513	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2561	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2514	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2515	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2563	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2516	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2564	1-216-817-11	METAL CHIP	470	5%	1/10W
R2517	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2565	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2566	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2519	1-216-857-11	METAL CHIP	1M	5%	1/10W	R2567	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2520	1-216-864-11	SHORT CHIP				R2568	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2521	1-216-864-11	SHORT CHIP				R2569	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2570	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2523	1-216-813-11	METAL CHIP	220	5%	1/10W	R2571	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2524	1-216-809-11	METAL CHIP	100	5%	1/10W	R2572	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2525	1-216-813-11	METAL CHIP	220	5%	1/10W	R2573	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2526	1-216-864-11	SHORT CHIP		• 70	.,	R2574	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2528	1-216-809-11	METAL CHIP	100	5%	1/10W	R2575	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2529	1-216-809-11	METAL CHIP	100	5%	1/10W	R2576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2530	1-216-809-11	METAL CHIP	100	5%	1/10W	R2577	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2531	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2578	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2532	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2579	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2533	1-216-864-11	SHORT CHIP				R2580	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2534	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2581	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2535	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2582	1-216-809-11	METAL CHIP	100	5%	1/10W
R2536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2585	1-216-864-11	SHORT CHIP	100	070	1, 1011
R2538	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2593	1-216-864-11	SHORT CHIP			
R2539	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2603	1-216-845-11	METAL CHIP	100K	5%	1/10W
		-									
R2540	1-216-864-11	SHORT CHIP				R2604	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2541	1-216-864-11	SHORT CHIP				R2605	1-216-864-11	SHORT CHIP	414	<b>F</b> 0/	4/4014/
R2542	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2543	1-216-864-11	SHORT CHIP				R2608	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2546	1-216-813-11	METAL CHIP	220	5%	1/10W	R2609	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2547	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2610	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2548	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2611	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2549	1-216-813-11	METAL CHIP	220	5%	1/10W	R2612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2550	1-216-821-11	METAL CHIP	1K	5%	1/10W		-				
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REF. NO.	PART NO.	DESCRIPTION	VALUES	S		REF. NO.	PART NO.	DESCRIPTION	VALUE	ES	
	CRYSTAL					C9540	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
						C9541	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
X2001	1-567-505-11	OSCILLATOR, CRYST				C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V
X2003	1-781-282-11	VIBRATOR, CERAMIC				C9543	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
X2200	1-767-606-11	VIBRATOR, CRYSTAL				C9545	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
X2300	1-795-572-11	VIBRATOR, CRYSTAL							***** <u>-</u> -	,.	•••
X2500	1-767-639-21	VIBRATOR, CRYSTAL				C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C9547	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
						C9549	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
						C9550	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
*	A-1302-939-A	P BOARD, COMPL				C9551	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
		oards are interchangeab						0_1.00 0	V p.	. 0 70	
	Either board ca	n be used as a replacem	ent.			C9552	1-126-246-11	ELECT CHIP	220µF	20%	4V
						C9553	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
		this board, performing				C9554	1-126-394-11	ELECT CHIP	10μF	20%	16V
		ded. If service is requ rred repair method.	iirea, comp	iete bi	oard	C9555	1-126-394-11	ELECT CHIP	10μF	20%	16V
-	rovided for refer	-				C9557	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
Data is pi	ovided for refer	ence only.									
	CARACITOR					C9558	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	<u>CAPACITOR</u>					C9559	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9507	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C9560	1-126-246-11	ELECT CHIP	220µF	20%	4V
C9508	1-126-394-11	ELECT CHIP	10μ <b>F</b>	20%	16V	C9561	1-100-756-91	CERAMIC CHIP	0.047µF		50V
C9509	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C9562	1-127-692-11	CERAMIC CHIP	10μF	10%	16V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V				•		
C9511	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C9563	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9566	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9513	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C9570	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9514	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9571	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9515	1-126-394-11	ELECT CHIP	10µF	20%	16V	C9575	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C9516	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V				'		
C9517	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9576	1-126-394-11	ELECT CHIP	10μF	20%	16V
			-1			C9578	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9519	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	C9579	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9521	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C9583	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C9523	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C9584	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9524	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V				'		
C9525	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	C9585	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
			***  p-			C9586	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9526	1-126-394-11	ELECT CHIP	10µF	20%	16V	C9587	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9527	1-164-505-11	CERAMIC CHIP	2.2µF		16V	C9588	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9528	1-126-246-11	ELECT CHIP	220µF	20%	4V	C9589	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9529	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V				'		
C9530	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9623	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
			. •			C9824	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9531	1-126-394-11	ELECT CHIP	10µF	20%	16V	C9825	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9532	1-126-394-11	ELECT CHIP	10µF	20%	16V	C9826	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9533	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	C9828	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9534	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V				•		
C9535	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	C9830	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
55500			· Im-	. 0 /0		C9831	1-126-394-11	ELECT CHIP	10µF	20%	16V
C9537	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C9832	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C9538	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C9833	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
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	REF. NO.	PART NO.	DESCRIPTION	VALUES				REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	C9835 C9836 C9839	1-100-588-21 1-126-394-11 1-126-394-11	ELECT CHIP ELECT CHIP ELECT CHIP	1000μF 10μF 10μF	20% 20% 20%	6.3V 16V 16V		IC9506 IC9509 IC9514	6-703-042-01 6-550-014-01 8-759-331-71	IC TRANSISTOR IC	NJM455	15FU(TE85 8E(TE2)	•
	C9841	1-100-118-21	ELECT CHIP	82µF	20%	16V		IC9517	6-804-887-01	IC		-	G-5001E1
	C9842	1-137-897-21	ELECT CHIP	150µF	20%	4V		IC9521	8-759-642-22	IC	UPC29N	//05T-E2	
	C9843	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V							
		CONNECTOR						10500	<u>JACK</u>	IA OK DIN	0.0		
*	CNOFOO	4 040 400 44	LIDMI CONNECTOD					J9503	1-794-623-11	JACK, PIN	2P		
	CN9500	1-818-400-11	HDMI CONNECTOR	14P									
	CN9504	1-564-593-11	PLUG, CONNECTOR	14P									
									COIL				
		DIODE						L9501 L9502	1-416-948-21 1-400-303-21	INDUCTOR INDUCTOR	10µH 68µH		
	D9500	8-719-210-39	DIODE	EC10QS-	04			20002	1 100 000 21	III DOTOIL	оори		
	D9501	6-500-294-01	DIODE	PTZ-TE2									
	D9502	8-719-977-28	DIODE	DTZ10B					IC LINK				
	D9503	8-719-977-28	DIODE	DTZ10B					IO EIIVIX				
	D9506	8-719-404-50	DIODE	MA111-T	(			PS9500	1-576-415-21	FUSE	2A	32V	
	D9507	8-719-404-50	DIODE	MA111-T	(								
									TRANSISTOR				
		FERRITE BEAD						Q9501	8-729-024-88	TRANSISTOR	MUN22	12T1	
	FB9504	1-414-235-22	FERRITE	0μΗ				Q9502	8-729-421-22	TRANSISTOR	UN2211		
	FB9505	1-414-235-22	FERRITE	0μΗ				Q9503	8-729-027-62	TRANSISTOR	DTC144	WKA-T146	6
	FB9506	1-414-235-22	FERRITE	0μΗ				Q9506	8-729-024-88	TRANSISTOR	MUN22	12T1	
	FB9507	1-414-235-22	FERRITE	0μΗ				Q9511	8-729-421-22	TRANSISTOR	UN2211		
	FB9508	1-414-235-22	FERRITE	0μΗ									
								Q9514	8-729-027-62	TRANSISTOR		WKA-T146	ô
	FB9509	1-414-235-22	FERRITE	0μΗ				Q9516	8-729-421-22	TRANSISTOR	UN2211		
	FB9510	1-414-235-22	FERRITE	0μΗ				Q9517	8-729-421-22	TRANSISTOR	UN2211		
	FB9512	1-414-235-22	FERRITE	0μΗ									
		FILTER							RESISTOR				
		HEIER						R9501	1-218-665-11	METAL CHIP	75		1/10W
*	FL9501	1-813-308-11	INDUCTOR	0μΗ				R9502	1-218-665-11	METAL CHIP	75		1/10W
*	FL9504	1-813-308-11	INDUCTOR	0μΗ				R9505	1-216-841-11	METAL CHIP	47K	5%	1/10W
*	FL9505	1-813-308-11	INDUCTOR	0μΗ				R9506	1-216-864-11	SHORT CHIP			
*	FL9506	1-813-308-11	INDUCTOR	0μΗ				R9507	1-216-857-11	METAL CHIP	1M	5%	1/10W
								R9508	1-216-857-11	METAL CHIP	1M 1M	5%	1/10W 1/10W
		<u>IC</u>						R9509 R9510	1-216-857-11 1-218-665-11	METAL CHIP METAL CHIP	75	5% 0.50%	1/10W
	IC9500	6-706-257-01	IC	FMS6418	ΔΜ16Χ			R9511	1-216-803-11	METAL CHIP	33	5%	1/10W
	IC9502	6-704-819-01	IC	CS4335-ł				R9512	1-218-665-11	METAL CHIP	33 75		1/10W
	IC9503	6-704-407-01	IC	PQ1CZ41				110012	1 & 10-000-11	MIL IAL OI III	10	0.00 /0	1/ 1044
	IC9504	6-704-001-01	IC	BR24L02				R9513	1-218-665-11	METAL CHIP	75	0.50%	1/10W
	IC9505	6-704-499-01	IC	SII9993C				R9514	1-218-665-11	METAL CHIP	75 75		1/10W
			-					R9515	1-218-665-11	METAL CHIP	75 75		1/10W
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R9516	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9517	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9518	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9585	1-216-809-11	METAL CHIP	100	5%	1/10W
R9519	1-216-803-11	METAL CHIP	33	5%	1/10W	R9586	1-216-809-11	METAL CHIP	100	5%	1/10W
R9520	1-216-816-11	METAL CHIP	390	5%	1/10W	R9592	1-216-809-11	METAL CHIP	100	5%	1/10W
R9526	1-218-716-11	METAL CHIP	10K	0.500/	1/10W	Docor	4 040 047 44	METAL CUID	470	<b>F</b> 0/	4/40\\
						R9595	1-216-817-11	METAL CHIP	470	5%	1/10W
R9528	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9597	1-216-803-11	METAL CHIP	33	5%	1/10W
R9529	1-216-850-11	METAL CHIP	270K	5%	1/10W	R9602	1-216-809-11	METAL CHIP	100	5%	1/10W
R9530	1-216-821-11	METAL CHIP	1K	5%	1/10W	R9606	1-216-864-11	SHORT CHIP			
R9531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9611	1-216-864-11	SHORT CHIP			
R9532	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W	R9612	1-216-864-11	SHORT CHIP			
R9533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R9614	1-216-809-11	METAL CHIP	100	5%	1/10W
R9534	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R9615	1-216-809-11	METAL CHIP	100	5%	1/10W
R9535	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9616	1-216-809-11	METAL CHIP	100	5%	1/10W
R9538	1-218-823-11	METAL CHIP	100		1/10W	R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W
D0520	1 016 001 11	METAL CLUD	1K	E0/	1/10///	D0004	4 040 045 44	METAL OLUB	4001/	<b>5</b> 0/	4/40\4/
R9539	1-216-821-11	METAL CHIP		5%	1/10W	R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9541	1-218-694-11	METAL CHIP	1.2K		1/10W	R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9542	1-216-850-11	METAL CHIP	270K	5%	1/10W	R9627	1-216-809-11	METAL CHIP	100	5%	1/10W
R9543	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9544	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9546	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9852	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R9547	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9548	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9552	1-216-817-11	METAL CHIP	470	5%	1/10W	R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9555	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9864	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R9556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9866	1-216-701-11	METAL CHIP	2.4N 1K	5%	1/10W
R9557	1-218-706-11	METAL CHIP	3.9K		1/10W	R9867	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R9559	1-216-809-11	METAL CHIP	100	5%	1/10W	R9868 R9869	1-216-833-11 1-216-833-11	METAL CHIP METAL CHIP	10K 10K	5% 5%	1/10W 1/10W
110000	1 210 000 11	ME I/IE OI III	100	070	1, 1011	110000	1 210 000 11	WE IAL OF III	TOIL	370	1/1011
R9560	1-216-864-11	SHORT CHIP				R9882	1-218-665-11	METAL CHIP	75		1/10W
R9562	1-216-809-11	METAL CHIP	100	5%	1/10W	R9884	1-218-665-11	METAL CHIP	75		1/10W
R9563	1-218-706-11	METAL CHIP	3.9K		1/10W	R9885	1-218-665-11	METAL CHIP	75		1/10W
R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9886	1-218-665-11	METAL CHIP	75		1/10W
R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9887	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9566	1-216-864-11	SHORT CHIP				R9888	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9890	1-218-665-11	METAL CHIP	75		1/10W
R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9891	1-216-809-11	METAL CHIP	100	5%	1/10W
R9574	1-216-809-11	METAL CHIP	100	5%	1/10W	110001	1 210 000 11	MENAL OI III	100	070	1,1011
R9575	1-216-809-11	METAL CHIP	100	5%	1/10W						
D0===	1.040.0== ::	METAL OUIE	,,,	F0/	4/46/4/		RESISTOR BRID	<u>OGE</u>			
R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W	DDOEOO	1 224 524 24	DEC CHID NETWOR	K 22	(2046)	
R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W	RB9500	1-234-524-21	RES, CHIP NETWOR		(3216)	
R9580	1-216-809-11	METAL CHIP	100	5%	1/10W	RB9510	1-233-576-11	RES, CHIP NETWOR		(3216)	
R9581	1-216-809-11	METAL CHIP	100	5%	1/10W	RB9511	1-233-574-11	RES, CHIP NETWOR	r. IU	(3216)	110



REF. NO.	PART NO.	DESCRIPTION	VALUES	3		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
RB9512	1-233-574-11	RES, CHIP NETWORK	10	(3216)		C9526	1-126-394-11	ELECT CHIP	10µF	20%	16V
RB9517	1-236-908-11	NETWORK RESISTOR	(CHIP)	10K		C9527	1-164-505-11	CERAMIC CHIP	2.2µF		16V
						C9528	1-126-246-11	ELECT CHIP	220µF	20%	4V
						C9529	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	VARISTOR					C9530	1-126-394-11	ELECT CHIP	10µF	20%	16V
									·		
VD9500	6-500-701-01	DIODE	PGB10106			C9531	1-126-394-11	ELECT CHIP	10µF	20%	16V
VD9501	6-500-701-01	DIODE	PGB10106			C9532	1-126-394-11	ELECT CHIP	10µF	20%	16V
VD9502	6-500-701-01	DIODE	PGB10106			C9533	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
VD9503	6-500-701-01	DIODE	PGB10106			C9534	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
VD9504	6-500-701-01	DIODE	PGB10106	503NR		C9535	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
VDOEGE	6 500 701 01	DIODE	DCD40404	CUONID							
VD9505	6-500-701-01	DIODE	PGB10106			C9537	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
VD9506	6-500-701-01	DIODE	PGB10106			C9538	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
VD9507	6-500-701-01	DIODE	PGB10106			C9540	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
VD9518	6-500-701-01	DIODE	PGB10106			C9541	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
VD9519	6-500-701-01	DIODE	PGB10106	NICOC		C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9543	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	CRYSTAL					C9545	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
						C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
X9501	1-767-984-21	VIBRATOR, CRYSTAL				C9547	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
						C9549	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
PAI											
*	A 400E 000 A	DA DOADD COMDI				C9550	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
•	A-1085-903-A	PA BOARD, COMPL				C9551	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
		ards are interchangeable				C9552	1-126-246-11	ELECT CHIP	220µF	20%	4V
	Either board can	be used as a replaceme	ent.			C9553	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
Due to th	e complexity of t	his board, performing	compone	ent lev	el field	C9554	1-126-394-11	ELECT CHIP	10µF	20%	16V
		ed. If service is requi									
		ed repair method.	, .			C9555	1-126-394-11	ELECT CHIP	10µF	20%	16V
Data is pi	ovided for refere	ence only.				C9557	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
						C9558	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	CAPACITOR					C9559	1-126-394-11	ELECT CHIP	10µF	20%	16V
						C9560	1-126-246-11	ELECT CHIP	220µF	20%	4V
C9507	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	00504	4 400 750 04	OEDAMIO OLUD	0.047.5		F0\/
C9508	1-126-394-11	ELECT CHIP	10µF	20%	16V	C9561	1-100-756-91	CERAMIC CHIP	0.047µF	400/	50V
C9509	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C9562	1-127-692-11	CERAMIC CHIP	10µF	10%	16V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C9563	1-126-394-11	ELECT CHIP	10µF	20%	16V
C9511	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C9566	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C0512	1 162 066 11	CERAMIC CHIP	0.00220E	100/	50V	C9570	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V
C9513 C9514	1-162-966-11	ELECT CHIP	•		16V	C9571	1 126 204 11	ELECT CHIP	10uE	20%	16V
C9514 C9515	1-126-394-11		10µF	20% 20%	16V 16V	C9575	1-126-394-11 1-162-970-11		10μF 0.01μF	10%	25V
C9515	1-126-394-11 1-107-826-11	ELECT CHIP	10µF	10%	16V 16V	C9575		CERAMIC CHIP ELECT CHIP	•	20%	25V 16V
C9516 C9517	1-107-626-11	CERAMIC CHIP ELECT CHIP	0.1μF 10μF	20%	16V 16V	C9578	1-126-394-11 1-162-916-11	CERAMIC CHIP	10μF 12pF	20% 5%	50V
09317	1-120-394-11	ELECT CHIF	τυμι	20 /0	100	C9576 C9579	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9519	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	03013	1-104-310-11	OLIVAINIO OLIIF	ιΖμι	J /0	JU V
C9521	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C9583	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C9523	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C9584	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9524	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	30001	. 100 000 01	3210 mm3 01 m	V. 141	1070	-0.
C9525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
				. 3,0		I					140



	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALUE	ES
C9585	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V			<u>FILTER</u>			
C9586	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V						
C9587	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	*	FL9501	1-813-308-11	INDUCTOR	0µH	
C9588	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V		FL9504	1-813-308-11	INDUCTOR	0µH	
C9589	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V	*	FL9505	1-813-308-11	INDUCTOR	0µH	
			- 1			*	FL9506	1-813-308-11	INDUCTOR	0µH	
C9623	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V						
C9824	1-162-919-11	CERAMIC CHIP	22pF	5%	50V						
C9825	1-162-919-11	CERAMIC CHIP	22pF	5%	50V			<u>IC</u>			
C9826	1-162-919-11	CERAMIC CHIP	22pF	5%	50V		IC9500	6-706-257-01	IC	FMS6418	\M16Y
C9828	1-126-394-11	ELECT CHIP	10µF	20%	16V		IC9502	6-704-819-01	IC	CS4335-K	
			·				IC9502	6-704-619-01	IC	PQ1CZ41	
C9830	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V						
C9831	1-126-394-11	ELECT CHIP	10µF	20%	16V		IC9504	6-704-001-01	IC	BR24L02F	
C9832	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		IC9505	6-704-499-01	IC	SII9993C	16100
C9833	1-100-566-91	CERAMIC CHIP	0.1µF	10%	25V		100500	0 700 040 04	10	00 40500	NOD
C9835	1-100-588-21	ELECT CHIP	1000µF	20%	6.3V		IC9506	6-703-042-01	IC	CD4052B	
00000	1 100 000 21	LLLOT OTHI	ισσομι	2070	0.01		IC9509	6-550-014-01	TRANSISTOR		SFU(TE85R)
C9836	1-126-394-11	ELECT CHIP	10µF	20%	16V		IC9514	8-759-331-71	IC	NJM4558	, ,
C9839	1-126-394-11	ELECT CHIP	10μF	20%	16V		IC9517	6-804-888-01	IC		5APFV1-G-120-BND
C9841	1-120-334-11	ELECT CHIP	82μF	20%	16V		IC9521	8-759-642-22	IC	UPC29M0	)5T-E2
C9842	1-137-897-21	ELECT CHIP	02μι 150μF	20%	4V						
C9843		CERAMIC CHIP		10%	4 V 16 V						
C9043	1-107-826-11	CERAIVIIC CHIP	0.1µF	10%	100			<u>JACK</u>			
	CONNECTOR						J9503	1-794-623-11	JACK, PIN	2P	
ONIGEOR		LIDAMI CONNICOTOR									
CN9500 CN9504	1-818-400-11 1-564-593-11	HDMI CONNECTOR PLUG, CONNECTOR		14P				COIL			
0110001	1 00 1 000 11	i Loo, comitector							INDUOTOD		
							1.0004	4 440 040 04			
							L9501	1-416-948-21	INDUCTOR	10µH	
	DIODE						L9501 L9502	1-416-948-21 1-400-303-21	INDUCTOR	10µH 68µH	
	DIODE										
D9500	<b>DIODE</b> 8-719-210-39	DIODE	EC10QS-	-04				1-400-303-21			
D9500 D9501		DIODE DIODE	EC10QS- PTZ-TE2								
	8-719-210-39						L9502	1-400-303-21 <u>IC LINK</u>	INDUCTOR	68μH	32V
D9501	8-719-210-39 6-500-294-01	DIODE	PTZ-TE2					1-400-303-21			32V
D9501 D9502 D9503	8-719-210-39 6-500-294-01 8-719-977-28	DIODE DIODE DIODE	PTZ-TE2 DTZ10B	5-3.9B			L9502	1-400-303-21 <u>IC LINK</u>	INDUCTOR	68μH	32V
D9501 D9502	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28	DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B	5-3.9B X			L9502	1-400-303-21  IC LINK  1-576-415-21	INDUCTOR	68μH	32V
D9501 D9502 D9503 D9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50	DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-T	5-3.9B X			L9502	1-400-303-21 <u>IC LINK</u>	INDUCTOR	68μH	32V
D9501 D9502 D9503 D9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50	DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-T	5-3.9B X			L9502	1-400-303-21  IC LINK  1-576-415-21	INDUCTOR	68μH	
D9501 D9502 D9503 D9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50	DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-T	5-3.9B X			L9502 PS9500	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR	INDUCTOR	68μH 2Α	
D9501 D9502 D9503 D9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50	DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-T	5-3.9B X			L9502 PS9500 Q9501	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88	INDUCTOR  FUSE  TRANSISTOR	68µH  2A  MUN2212	2T1
D9501 D9502 D9503 D9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50	DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-T	5-3.9B X			L9502 PS9500 Q9501 Q9502	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22	FUSE  TRANSISTOR TRANSISTOR	68µH  2A  MUN2212 UN2211	?T1 //KA-T146
D9501 D9502 D9503 D9506 D9507	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50	DIODE DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-TI MA111-TI	5-3.9B X			L9502 PS9500 Q9501 Q9502 Q9503	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-027-62	FUSE  TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212 UN2211 DTC144W	?T1 //KA-T146
D9501 D9502 D9503 D9506 D9507	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22	DIODE DIODE DIODE DIODE DIODE	PTZ-TE2 DTZ10B DTZ10B MA111-TZ MA111-TZ	5-3.9B X			L9502 PS9500  Q9501 Q9502 Q9503 Q9506	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-027-62 8-729-024-88	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212  UN2211  DTC144W  MUN2212	?T1 //KA-T146
D9501 D9502 D9503 D9506 D9507 FB9504 FB9505	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22 1-414-235-22	DIODE DIODE DIODE DIODE DIODE FERRITE FERRITE	PTZ-TE2 DTZ10B DTZ10B MA111-TZ MA111-TZ	5-3.9B X			L9502 PS9500  Q9501 Q9502 Q9503 Q9506 Q9511	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-027-62 8-729-024-88 8-729-421-22	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212  UN2211  DTC144W  MUN2212  UN2211	2T1 VKA-T146 2T1
D9501 D9502 D9503 D9506 D9507 FB9504 FB9505 FB9506	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22 1-414-235-22 1-414-235-22	DIODE DIODE DIODE DIODE DIODE FERRITE FERRITE FERRITE	PTZ-TE2 DTZ10B DTZ10B MA111-T MA111-T  0μH 0μH 0μH	5-3.9B X			L9502 PS9500  Q9501 Q9502 Q9503 Q9506 Q9511  Q9514	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-024-88 8-729-421-22 8-729-024-88 8-729-421-22	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212  UN2211  DTC144W  MUN2212  UN2211  DTC144W	2T1 VKA-T146 2T1
D9501 D9502 D9503 D9506 D9507 FB9504 FB9505 FB9506 FB9507	8-719-210-39 6-500-294-01 8-719-977-28 8-719-404-50 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22 1-414-235-22 1-414-235-22 1-414-235-22	DIODE DIODE DIODE DIODE DIODE FERRITE FERRITE FERRITE FERRITE	РТZ-TE2 DTZ10B DTZ10B MA111-TI MA111-TI 0µH 0µH 0µH	5-3.9B X			PS9500  Q9501 Q9502 Q9503 Q9506 Q9511  Q9514 Q9516	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-027-62 8-729-024-88 8-729-421-22  8-729-027-62 8-729-027-62 8-729-027-62 8-729-027-62	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212 UN2211 DTC144W MUN2211  DTC144W UN2211	2T1 VKA-T146 2T1
D9501 D9502 D9503 D9506 D9507 FB9504 FB9505 FB9506 FB9507	8-719-210-39 6-500-294-01 8-719-977-28 8-719-404-50 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22 1-414-235-22 1-414-235-22 1-414-235-22	DIODE DIODE DIODE DIODE DIODE FERRITE FERRITE FERRITE FERRITE	РТZ-TE2 DTZ10B DTZ10B MA111-TI MA111-TI 0µH 0µH 0µH	5-3.9B X			L9502 PS9500  Q9501 Q9502 Q9503 Q9506 Q9511  Q9514	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-024-88 8-729-421-22 8-729-024-88 8-729-421-22	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212  UN2211  DTC144W  MUN2212  UN2211  DTC144W	2T1 VKA-T146 2T1
D9501 D9502 D9503 D9506 D9507 FB9504 FB9505 FB9506 FB9507 FB9508	8-719-210-39 6-500-294-01 8-719-977-28 8-719-977-28 8-719-404-50 8-719-404-50 FERRITE BEAD 1-414-235-22 1-414-235-22 1-414-235-22 1-414-235-22 1-414-235-22	DIODE DIODE DIODE DIODE DIODE FERRITE FERRITE FERRITE FERRITE FERRITE FERRITE FERRITE	РТZ-TE2 DTZ10B DTZ10B MA111-TZ MA111-TZ ОµН ОµН ОµН ОµН	5-3.9B X			PS9500  Q9501 Q9502 Q9503 Q9506 Q9511  Q9514 Q9516	1-400-303-21  IC LINK  1-576-415-21  TRANSISTOR  8-729-024-88 8-729-421-22 8-729-027-62 8-729-024-88 8-729-421-22  8-729-027-62 8-729-027-62 8-729-027-62 8-729-027-62	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	68µH  2A  MUN2212 UN2211 DTC144W MUN2211  DTC144W UN2211	?T1 /KA-T146 ?T1



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	RESISTOR					R9559	1-216-809-11	METAL CHIP	100	5%	1/10W
						R9560	1-216-864-11	SHORT CHIP			
R9501	1-218-665-11	METAL CHIP	75		1/10W	R9562	1-216-809-11	METAL CHIP	100	5%	1/10W
R9502	1-218-665-11	METAL CHIP	75		1/10W	R9563	1-218-706-11	METAL CHIP	3.9K		1/10W
R9505	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9506	1-216-864-11	SHORT CHIP						-			
R9507	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R9566	1-216-864-11	SHORT CHIP			
R9508	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9509	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9510	1-218-665-11	METAL CHIP	75		1/10W	R9574	1-216-809-11	METAL CHIP	100	5%	1/10W
R9511	1-216-803-11	METAL CHIP	33	5%	1/10W					-,-	.,
R9512	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9575	1-216-809-11	METAL CHIP	100	5%	1/10W
						R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9513	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9514	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9580	1-216-809-11	METAL CHIP	100	5%	1/10W
R9515	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9581	1-216-809-11	METAL CHIP	100	5%	1/10W
R9516	1-218-665-11	METAL CHIP	75	0.50%	1/10W	113301	1-210-003-11	WE TAL OTH	100	370	1/1044
R9517	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9518	1-216-857-11	METAL CHIP	1M	5%	1/10W	R9585	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
R9519	1-216-803-11	METAL CHIP	33	5%	1/10W	R9586	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
R9520	1-216-816-11	METAL CHIP	390	5%	1/10W						1/10W
R9526	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R9592	1-216-809-11	METAL CHIP	100	5%	1/1000
R9528	1-216-837-11	METAL CHIP	22K	5%	1/10W	DOFOE	4 040 047 44	METAL CLUD	470	F0/	4/4014/
						R9595	1-216-817-11	METAL CHIP	470	5%	1/10W
R9529	1-216-850-11	METAL CHIP	270K	5%	1/10W	R9597	1-216-803-11	METAL CHIP	33	5%	1/10W
R9530	1-216-821-11	METAL CHIP	1K	5%	1/10W	R9602	1-216-809-11	METAL CHIP	100	5%	1/10W
R9531	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9606	1-216-864-11	SHORT CHIP			
R9532	1-218-694-11	METAL CHIP	1.2K		1/10W	R9611	1-216-864-11	SHORT CHIP			
R9533	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	D0040	1 010 001 11	OLIODE OLUD			
						R9612	1-216-864-11	SHORT CHIP	400	<b>5</b> 0/	4/40/4/
R9534	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R9614	1-216-809-11	METAL CHIP	100	5%	1/10W
R9535	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9615	1-216-809-11	METAL CHIP	100	5%	1/10W
R9538	1-218-823-11	METAL CHIP	100		1/10W	R9616	1-216-809-11	METAL CHIP	100	5%	1/10W
R9539	1-216-821-11	METAL CHIP	1K	5%	1/10W	R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
110010	1 210 020 11	III I I I I I I I I I I I I I I I I I		070	.,	R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9541	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W	R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9542	1-216-850-11	METAL CHIP	270K	5%	1/10W	R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9543	1-218-686-11	METAL CHIP	560		1/10W	R9627	1-216-809-11	METAL CHIP	100	5%	1/10W
R9544	1-218-706-11	METAL CHIP	3.9K		1/10W	R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9546	1-218-706-11	METAL CHIP	3.9K		1/10W						
110040	1 210 700 11	WIL IAL OTH	0.010	0.0070	1/10//	R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9547	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9852	1-218-644-11	METAL CHIP	10		1/10W
R9548	1-218-716-11	METAL CHIP	10K		1/10W	R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9552	1-216-710-11	METAL CHIP	470	5%	1/10W	R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9555	1-218-706-11	METAL CHIP	3.9K		1/10W	R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
			3.9K 4.7K	0.50% 5%	1/10W 1/10W						
R9556	1-216-829-11	METAL CHIP	4./ N	J70	1/ 1000	R9864	1-218-701-11	METAL CHIP	2.4K		1/10W
DOEET	1 010 700 11	METAL CLUD	2 01/	0.500/	1/10\\\	R9866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9557	1-218-706-11	METAL CHIP	3.9K		1/10W	R9867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9868	1-216-833-11	METAL CHIP	10K	5%	1/10W



REF. N	O. PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALUES
R9869	1-216-833-11	METAL CHIP	10K	5%	1/10W	*		4-102-197-01	CARTON, INDIVIDUAL	
R9882	1-218-665-11	METAL CHIP	75		1/10W			(KV-27HS420 ON		
R9884	1-218-665-11	METAL CHIP	75		1/10W	*		4-102-200-01	CARTON, INDIVIDUAL	
R9885	1-218-665-11	METAL CHIP	75		1/10W			(KV-32HS420 ON		
R9886	1-218-665-11	METAL CHIP	75		1/10W	*		4-102-204-01	CARTON, INDIVIDUAL	
								(KV-36HS420 ON		
R9887	1-218-665-11	METAL CHIP	75	0.50%	1/10W	*		4-103-041-01	CARTON, INDIVIDUAL	
R9888	1-218-847-11	METAL CHIP	1K	0.50%	1/10W			(KV-29DRC420 C	NLY)	
R9890	1-218-665-11	METAL CHIP	75	0.50%	1/10W			•		
R9891	1-216-809-11	METAL CHIP	100	5%	1/10W	*		4-102-097-01	CUSHION, (FRONT) U	PPER
								(KV-34HS420 ON	ILY)	
	RESISTOR BRI	DGE				*		4-102-201-01	CUSHION, (FRONT) U	PPER
								(KV-32HS420 ON	ILY)	
RB950		RES, CHIP NETWORK		(3216)		*		4-102-205-01	CUSHION, (FRONT) U	PPER
RB951		RES, CHIP NETWORK		(3216)				(KV-36HS420 ON	ILY)	
RB951		RES, CHIP NETWORK		(3216)		*		4-102-098-01	CUSHION, (REAR) UP	PER
RB951		RES, CHIP NETWORK		(3216)				(KV-34HS420 ON	ILY)	
RB951	7 1-236-908-11	NETWORK RESISTOR	R(CHIP)	10K		*		4-102-202-01	CUSHION, (REAR) UP	PER
								(KV-32HS420 ON	ILY)	
	VARISTOR					*		4-102-206-01	CUSHION, (REAR) UP	PER
VD950	0 6-500-701-01	DIODE	PGR101	10603NR				(KV-36HS420 ON	ILY)	
VD950		DIODE		10603NR						
VD950		DIODE		10603NR		*		4-102-095-01	CUSHION, LOWER	
VD950		DIODE		10603NR		١.		(KV-30HS420 ON	'	
VD950		DIODE		10603NR		*		4-102-099-01	CUSHION, LOWER	
		2.022	. 02.0			*		(KV-34HS420 ON	,	
VD950	5 6-500-701-01	DIODE	PGB101	10603NR				4-102-199-01	CUSHION, LOWER	
VD950		DIODE		10603NR		*		(KV-27HS420, 29	,	
VD950	7 6-500-701-01	DIODE		10603NR				4-102-203-01	CUSHION, LOWER	
VD951		DIODE	PGB101	10603NR		*		(KV-32HS420 ON	,	
VD951	9 6-500-701-01	DIODE	PGB101	10603NR				4-102-207-01 (KV-36HS420 ON	CUSHION, LOWER	
								(NV-30H3420 ON	illt)	
	CRYSTAL					*		4-102-094-01	CUSHION, UPPER	
								(KV-30HS420 ON		
X9501	1-767-984-21	VIBRATOR, CRYSTAL				*		4-102-198-01	CUSHION, UPPER	
								(KV-27HS420, 29		
	<b>ACCESSORIES</b>	AND PACKING						(111 21110 120, 20	5110 120 01121 )	
*	2-059-745-01	BAG. PROTECTION						4-102-732-21	MANUAL, INSTRUCTION	ON
		29DRC420 ONLY)						(ALL EXCEPT KV	/-30HS420, 34HS420)	
*	2-067-077-01	BAG, PROTECTION						4-102-735-21	MANUAL, INSTRUCTION	ON
		32HS420, 34HS420 ONLY)				1		(KV-30HS420, 34		
*	4-066-646-02	BAG, PROTECTION						,	•	
	(KV-36HS420 O							REMOTE COMM	ANDER	
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,								
*	4-102-093-01	CARTON, INDIVIDUAL	_			1		1-478-709-11	REMOTE COMMANDE	
	(KV-30HS420 O	·						4-978-977-01	BATTERY COVER (for	KM-Y19/)
*	4-102-096-01	CARTON, INDIVIDUAL	_							
	(10) / 24110 / 20 0	ATL V/		_	_					

Sony Corporation
Sony Technology Center
Technical Services
Service Promotion Department

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(KV-34HS420 ONLY)

In an effort to reduce the size of this pdf file the tiled schematics are not attached to this Service Manual. To receive a complete set of the tiled schematics for this manual please submit a request to the Service Promotion group at Service\_Promotion@am.sony.com.